South Salt Lake City

SUPPLEMENTAL GUIDE FOR

CONTRACTORS AND DEVELOPERS

Storm Water Management Program – Appendix A

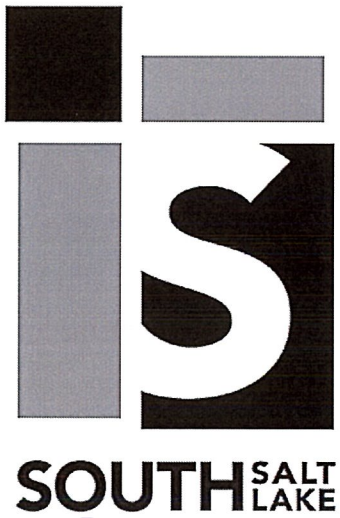
INTRODUCTION

This Supplemental Guide for Contractors and Developers is part of the South Salt Lake City Storm Water Management Plan (SWMP), included as appendix A. Developers, Contractors, and Engineers are required to understand the elements of this guide and any updates. Designs, construction methods and recording of plats are affected by the requirements herein. This guide has been adopted by South Salt Lake City for compliance with the Contractor Education aspects of State and Federal Storm Water requirements.

Revision date:

August, 2020

STORMWATER DESIGN MANUAL



THE CITY OF SOUTH SALT LAKE

July 2020

ACKNOWLEDGEMENT

This design manual has been prepared by the following engineer(s), licensed by the State of Utah:

Lingkun Li — NO. 10770750-2202

[NAME] — [LICENSE NUMBER]

[S E A L]

These documents have been reviewed by the City of South Salt Lake for compliance with its stormwater requirements and engineering specifications.

_____

Dennis Pay, P.E., City Engineer

_____

Corby Talbot, Stormwater Division Manager

Table of Contents

CHAPTER 1 REGULATIONS

The federal, state, and local regulations shall be followed for all stormwater discharge and design. This chapter provides general information on related federal and state laws and regulations, and South Salt Lake City Ordinances. This chapter is informational only. Users of this manual shall verify and comply with all applicable laws and regulations.

1.1 Federal Laws and Regulations

EPA created the National Pollutant Discharge Elimination System (NPDES) in 1972 under the Clean Water Act. The NPDES permit program allows state governments to perform permitting, administrative, and enforcement aspects of this program. Refer to https://www.epa.gov/npdes for the latest information.

1.2 The State of Utah MS4 Permit

The MS4 permit is one of the sources that is regulated by the Utah Pollutant Discharge Elimination System (UPDES) which is the Utah version of the federal NPDES regulations. Refer to https://deq.utah.gov/water-quality/storm-water-permits-updes-permits for the latest information.

1.3 South Salt Lake City Ordinances and Storm Water Management Plans

The City of South Salt Lake implemented ordinances for storm water management as described in Chapter 13, while the city Stormwater Division has implemented the Storm Water Management Plan (SWMP) as a management guidance for developers.

CHAPTER 2 SUBMITTAL REQUIREMENTS

The storm water related submittals shall be in compliance with Federal, State, and City regulations/ordinances. Additional plans, reports, and memos may also be required by the Community Development Department, Engineering Department, or Public Works Stormwater Division.

2.1 General Submission Requirements

1. Site Plan
2. Grading Plan
3. Drainage Plan with Hydrology Calculations
4. Storm Water Pollution Prevention Plan (SWPPP) including Best Management Practices (BMPs)
5. Geotechnical Report
6. Post Construction (Design, performance, selection of BMP's, and maintenance requirements)
7. Other items listed on South Salt Lake Building/Right-of-way permit application checklist.

2.2 Special Requirements

1. For developments that disturb land greater than or equal to one acre, including projects that are part of a larger common plan of development or sale which collectively disturbs land greater than or equal to one acre, a full SWPPP including Notice of Intent (NOI) shall be submitted. Otherwise, general BMPs shall be submitted for review.
2. Infiltration rate shall be highlighted in geotechnical report for onsite retention systems.
3. Pre-construction meetings are required, to discuss the SWPPP and any Post Construction BMP's.

CHAPTER 3 NEW DEVELOPMENT HYDROLOGY CALCULATIONS

For new developments, the new MS4 permit requires 80th percentile storm precipitation for the total disturbed area. Refer to Figure 3-1 Design Process Flowchart for New Development.

3.1 80th Percentile Volume

1. Calculated 80th Percentile Precipitation Depth, d_{80} in South Salt Lake

   80th Percentile: **0.6** inches

2. Calculation Steps:

   a. Long-term daily rainfall data was obtained from National Oceanic and Atmospheric Administration (NOAA): https://www.ncdc.noaa.gov/cdo-web/datatools/selectlocation.

   b. South Salt Lake City data was selected and downloaded in .csv

   c. Data was sorted "low to high"

   d. Small precipitation events (< 0.1 inch) were deleted

   e. 80th Percentile Precipitation Depth was calculated

3.2 Calculations

1. Imperviousness

$$Project\ Imperviousness = \frac{Post\ Development\ Impervious\ Area}{Project's\ Disturbance\ Limits}$$

$$BMP\ Imperviousness = \frac{Post\ Development\ Impervious\ Area\ within\ BMP\ Drainage\ Area}{BMP\ Drainage\ Area}$$

2. Volumetric Runoff Coefficient

$$R_V = \frac{V_R}{V_P}$$

Where,

R_V – Volumetric Runoff Coefficient

V_R – Monitored Runoff Volume, cf

V_P – Total Precipitation Volume, cf

$$V_P = \frac{d_{80} \cdot A}{12}$$

d_{80} – Precipitation Depth, in

A – Drainage Area, sf

In this section, i represents the imperviousness of the drainage area, in decimal format.

Reese Method

$$R_V = 0.91 \cdot i - 0.0204$$

NRCS Hydrological Soil Group Method

Table 3-1 NRCS Volumetric Runoff Coefficient

NRCS Group Soil	**A**	**B**	**C/D**
Equation	$R_V = 0.84 \cdot i^{1.302}$	$R_V = 0.84 \cdot i^{1.169}$	$R_V = 0.84 \cdot i^{1.122}$

Granato Method

$$R_V = 0.225 \cdot i + 0.05$$

When $i < 0.55$;

$$R_V = 1.14 \cdot i - 0.371$$

When $i \geq 0.55$.

3. 80th Percentile Volume

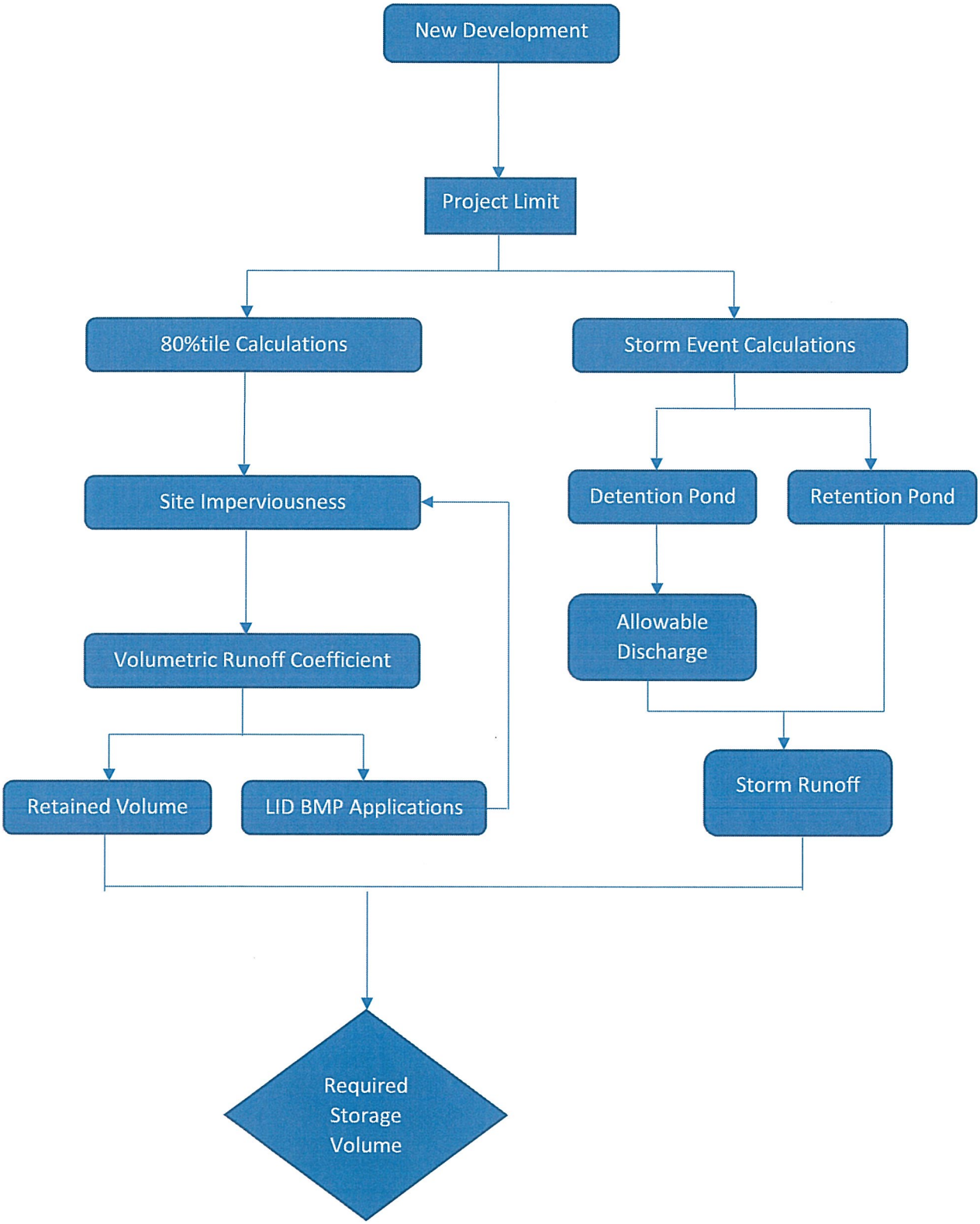
$$V_{80} = R_V \cdot d_{80} \cdot A$$

Where,

V_{80} – 80th Percentile Volume, cf

d_{80} – 80th Percentile Precipitation Depth, ft

Figure 3-1 Design Process Flowchart for New Development



CHAPTER 4 RE-DEVELOPMENT HYDROLOGY CALCULATIONS

If a redevelopment project increases the impervious surface by greater than 10%, the project shall manage rainfall on-site, and prevent the off-site discharge of the net increase in the volume associated with the precipitation from all rainfall events less than or equal to the 80th percentile rainfall event. Refer to Figure 4-1 Design Flowchart for Re-Development.

4.1 80th Percentile Volume

1. Percentile Precipitation Depth

   80th Percentile: **0.6** inches

2. Calculation Steps:

   a. Long-term daily rainfall data was obtained from National Oceanic and Atmospheric Administration (NOAA): https://www.ncdc.noaa.gov/cdo-web/datatools/selectlocation.

   b. South Salt Lake City data was selected and downloaded in .csv

   c. Data was sorted "low to high"

   d. Small precipitation events (< 0.1 inch) were deleted

   e. 80th Percentile Precipitation Depth was calculated

4.2 Calculations

1. Imperviousness

$$Existing\ Imperviousness = \frac{Developed\ Impervious\ Area}{New\ Project's\ Limit}$$

$$Redevelopment\ Imperviousness = \frac{New\ Impervious\ Area + Developed\ Impervious\ Area}{New\ Project's\ Limit}$$

$$Increased\ Imperviousness = \frac{Redevelopment\ Imperviousness - Existing\ Imperviousness}{Existing\ Imperviousness}$$

2. Volumetric Runoff Coefficient

$$R_V = \frac{V_R}{V_P}$$

Where,

R_V – Volumetric Runoff Coefficient

V_R – Monitored Runoff Volume, cf

V_P – Total Precipitation Volume, cf

$$V_P = \frac{d_{80} \cdot A}{12}$$

d_{80} – 80th Percentile Precipitation Depth, in

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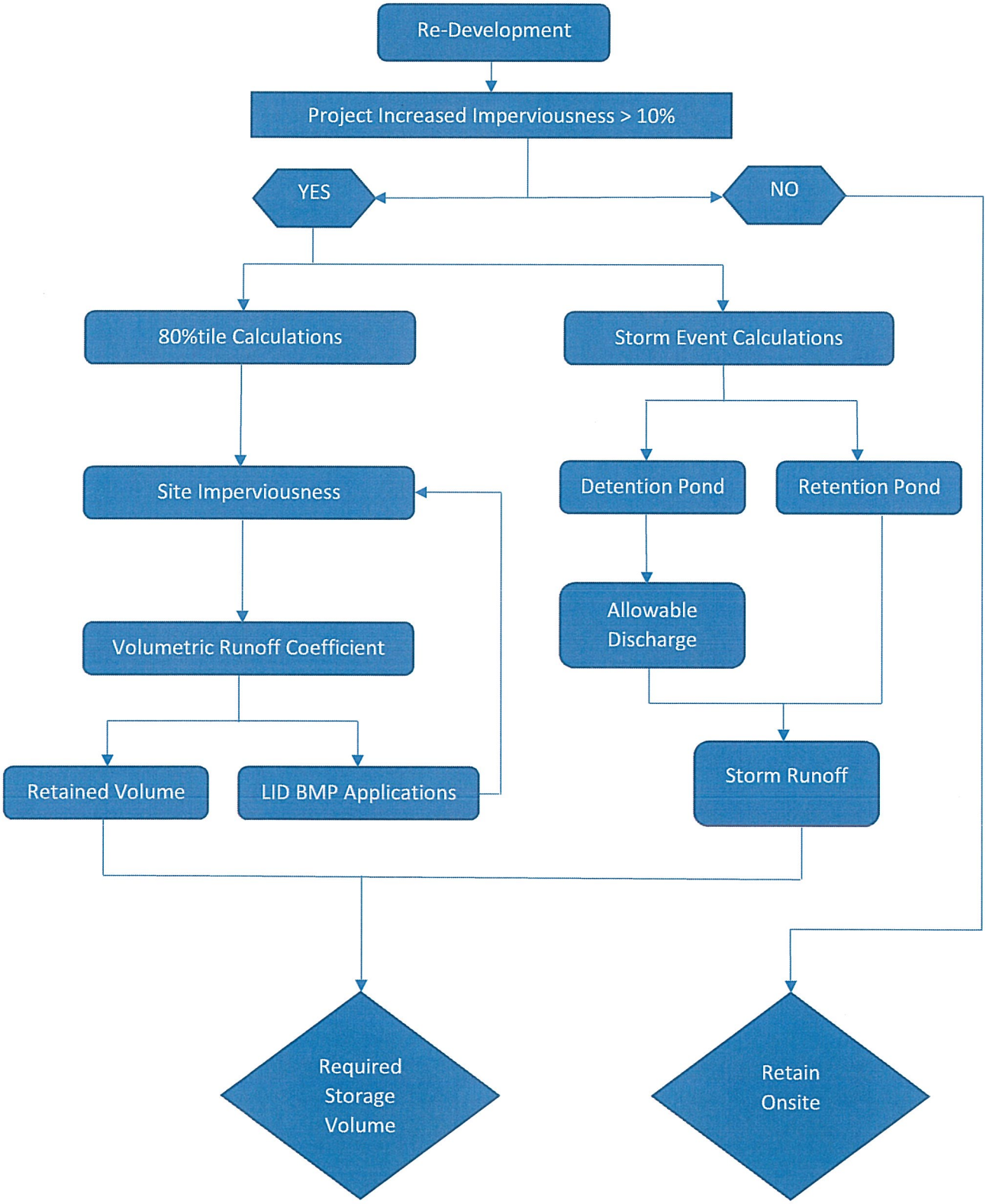


CHAPTER 5 HYDROLOGY DESIGN

5.1 Methods

The City of South Salt Lake allows Rational Method and SCS Curve Number Method (NRCS TR-55 Hydrology Design Method) for the design of hydrology system.

5.2 Storm Event

The City of South Salt Lake requires 100 years 24 hours storm event for the calculation.

Table 5-1 South Salt Lake City 100-yr 24-hr Storm Event Intensity Rate

Interval (min)	Intensity Rate (in/hr)
5	6.34
15	4.05
30	2.72
60	1.68
120	0.92
180	0.62
720	0.2
1440	0.1

5.3 Rational Method Calculation

1. Rational Equation

$$Q = C \cdot I \cdot A$$

Where,

Q – Peak flow (ft^3/s);

C – Run-off coefficient (Table 5-2);

$$C_{weighted} = \sum C_i \cdot A_i / A_{total}$$

I – Storm intensity (in/hr), from *Table 5-1*;

A – Drainage Area (acres).

Run-off coefficient:

Table 5-2 Runoff Coefficient

	Run-off Coefficient, C
Hardscape, parking	0.9

Buildings	0.85
Landscape	0.15

5.4 NRCS Curve Number Method

$$Q = \frac{(P - 0.2 \cdot S)^2}{(P + 0.8 \cdot S)}$$

$$S = \frac{1000}{CN} - 10$$

Q, P, S typically units of inches.

Where,

Q – Run off (inches);

P – Precipitation (inches);

S – Potential maximum retention after runoff begins;

CN – Curve Number (Table 5-3)

Table 5-3 Runoff Curve Numbers for Urban Areas

Cover description		**Curve numbers for hydrologic soil group**			
Cover type and hydrologic condition	*average %impervious area*	*A*	*B*	*C*	*D*
Fully developed urban areas					
Open space (lawns, parks, golf courses, cemeteries, etc.)					
Poor condition (grass cover < 50%)		68	79	86	89
Fair condition (grass cover 50% to 75%)		49	69	79	84
Good condition (grass cover > 75%)		39	61	74	80
Impervious areas					
Paved parking lots, roofs, driveways, etc.		98	98	98	98
Streets and roads					
Paved; curbs and storm sewers (excluding ROW)		98	98	98	98
Paved; open ditches (including ROW)		83	89	92	93
Gravel (including ROW)		76	85	89	91
Dirt (including ROW)		72	82	87	89
Western desert urban area:					

Natural desert landscaping (pervious areas only)		63	77	85	88
artificial desert landscaping		96	96	96	96
Urban districts					
Commercial and business	85	89	92	94	95
Industrial	72	81	88	91	93
Residential districts by average lot size					
1/8 acre or less (town houses)	65	77	85	90	92
1/4 acre	38	61	75	83	87
1/3 acre	30	57	72	81	86
1/2 acre	25	54	70	80	85
1 acre	20	51	68	79	84
2 acres	12	46	65	77	82
Developing urban areas					
Newly graded areas (pervious areas only, no vegetation)		77	86	91	94

CHAPTER 6 RIGHT-OF-WAY DRAINAGE SYSTEM

6.1 Catch Basin and Inlet Boxes

The City of South Salt Lake does not allow open-hooded inlet boxes in City's Right-of-way. Refer to the City of South Salt Lake Engineering Supplementary Plans for catch basins and inlet boxes standard drawings.

6.2 Storm Drain Pipe Design

Manning's equation shall be used for the calculation of storm drain pipe diameter, reference to Chapter 7. However, a minimal diameter of 18 inches shall be used for main lines, and a minimal diameter of 15 inches shall be for laterals. The pipe materials shall be Class III RCP. Type C900/C905 may only be acceptable with the written approval from the City Engineer.

Installation shall comply with the latest version of Standard Specifications published by the Utah Chapter of American Public Works Association.

6.3 Manholes

The City of South Salt Lake follows the latest version of Standard Plans published by the Utah Chapter of American Public Works Association for storm drain manholes.

CHAPTER 7 OPEN CHANNELS

7.1 Types

Open channel flows may not occur in South Salt Lake City Right-of-way. However, flow patterns in detention/retention ponds or low impact developments can be treated as open channel flows. Some common types are: triangular or trapezoidal bioswales and rain gardens, trapezoidal detention/retention ponds.

7.2 Calculations

Manning's Equation

$$v = \frac{1.49}{n} \cdot R^{2/3} \cdot S^{1/2}$$

$$Q = v \cdot A$$

Where,

Q – Flow (ft^3/s);

v – Velocity (ft/s);

n – Manning's Coefficient (Appendix B);

R – Hydraulic Radius (ft)

S – Channel slope for uniform flow (ft/ft)

A – Flow area (ft^2)

Hydraulic Radius

$$R = \frac{Flow\ area}{Wetted\ perimeter} = \frac{A}{P}$$

Appendix A

Post Construction BMPs

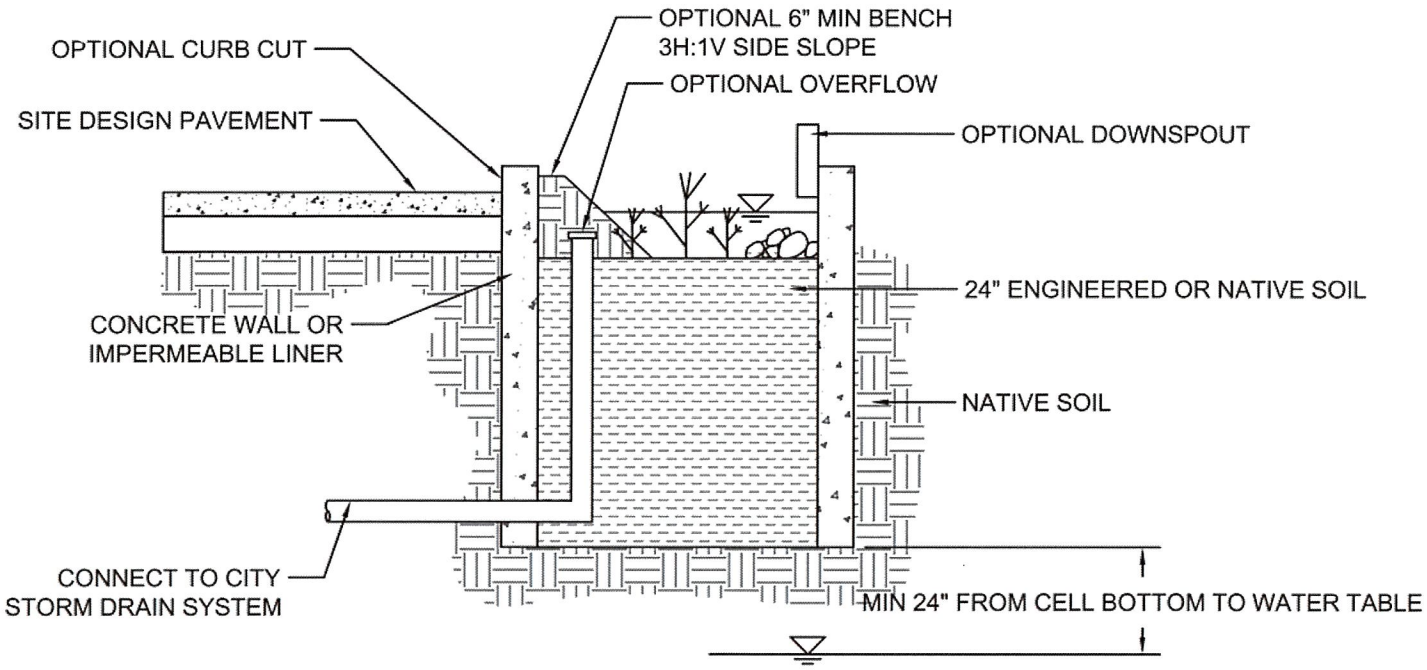
Sheet BR – Bioretention Cell

Sheet BS – Bioswale

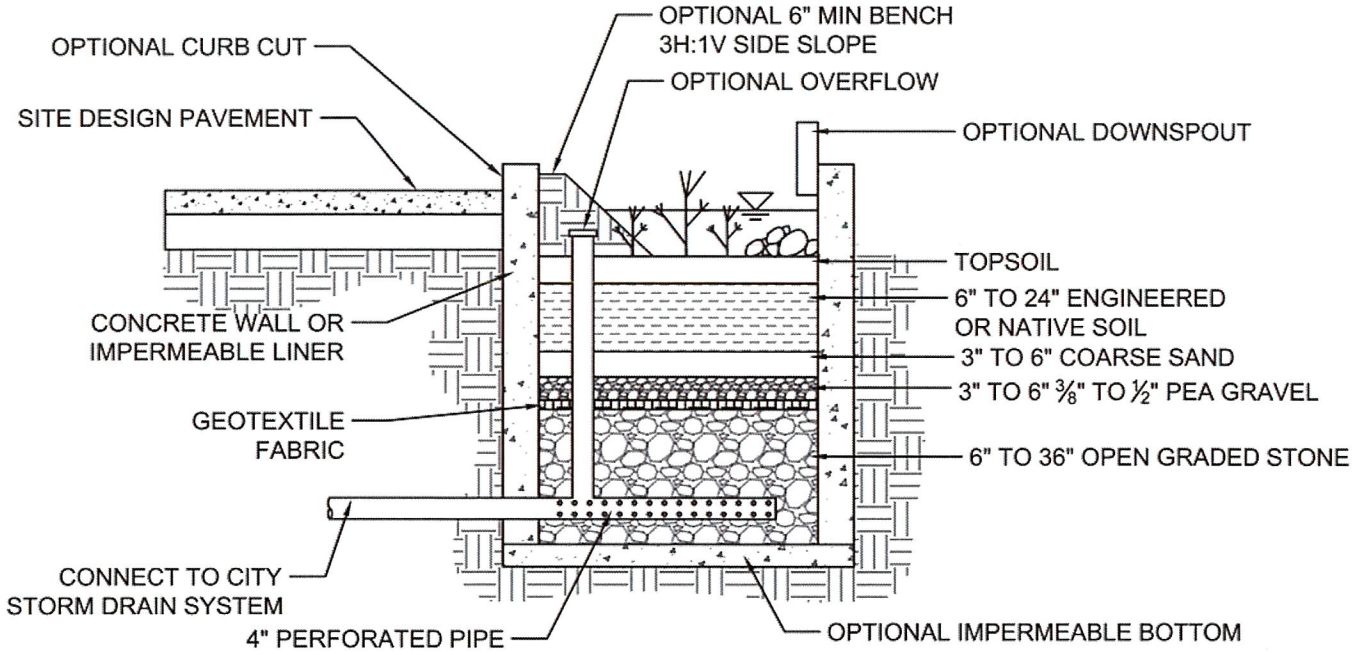
Sheet RG – Rain Garden

Sheet TB – Tree Box Filters

Sheet VS – Vegetated Strips

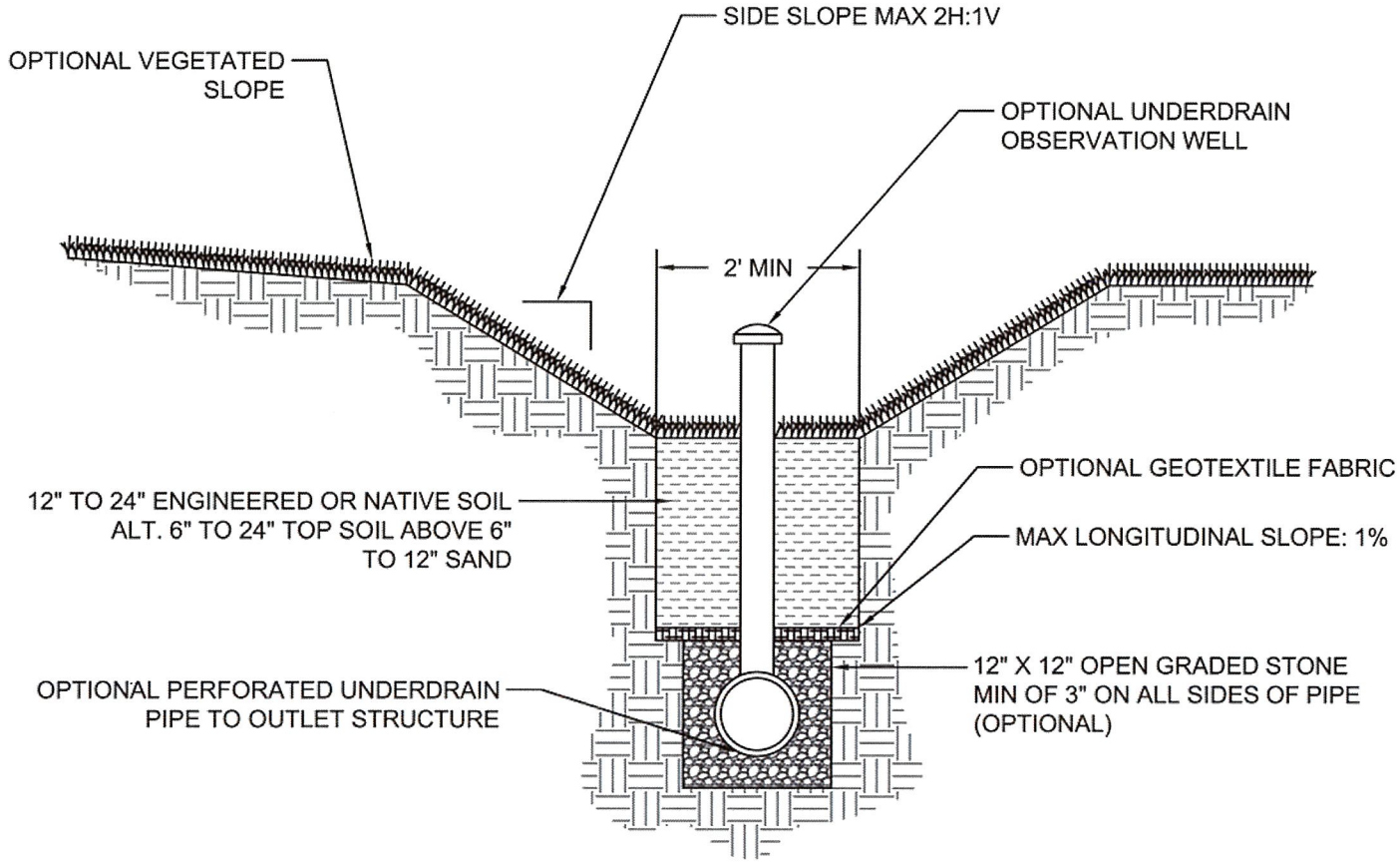


BIORETENTION CELL IN NATIVE OR ENGINEERED SOILS

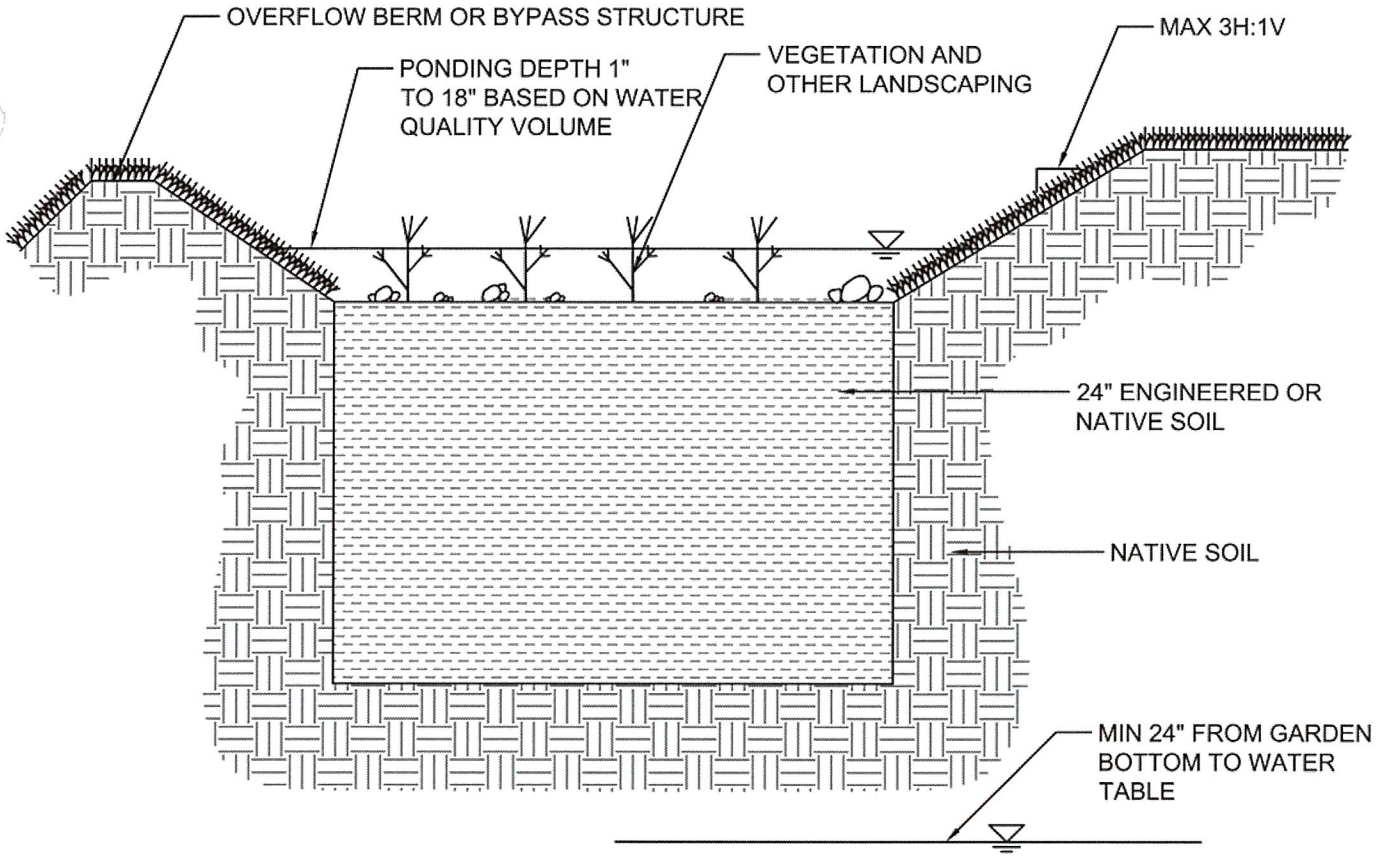


BIORETENTION CELL WITH UNDERDRAIN SYSTEM

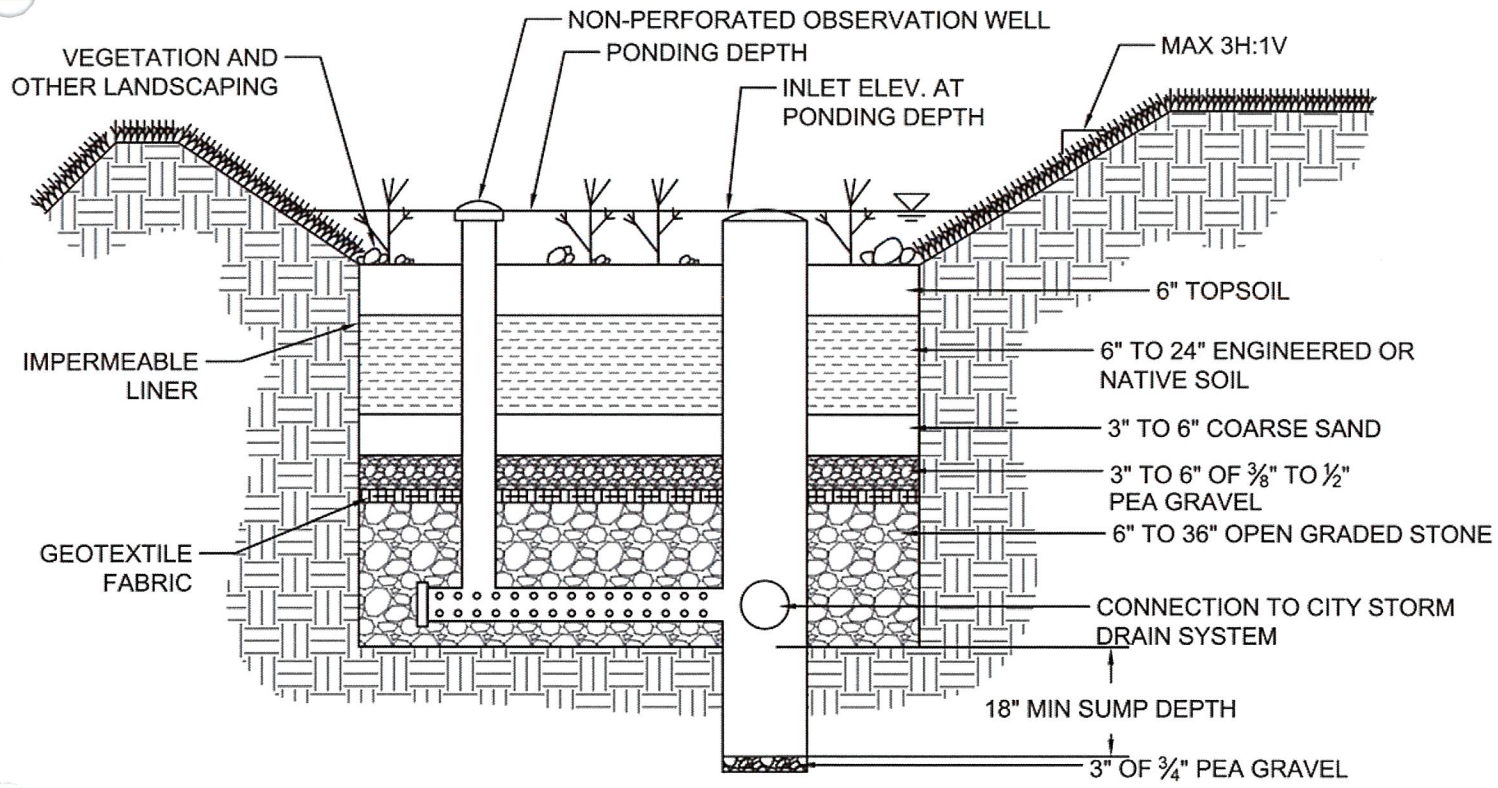
SOUTH SALT LAKE ENGINEERING DEPARTMENT 220 E MORRIS AVENUE SOUTH SALT LAKE, UTAH 84115	CITY OF SOUTH SALT LAKE POST CONSTRUCTION BMPS	BIORETENTION CELL	SHEET BR DATE JULY, 2020


SIDE SLOPE MAX 2H:1V
OPTIONAL VEGETATED SLOPE
OPTIONAL UNDERDRAIN OBSERVATION WELL
2' MIN
OPTIONAL GEOTEXTILE FABRIC
12" TO 24" ENGINEERED OR NATIVE SOIL
ALT. 6" TO 24" TOP SOIL ABOVE 6" TO 12" SAND
MAX LONGITUDINAL SLOPE: 1%
12" X 12" OPEN GRADED STONE MIN OF 3" ON ALL SIDES OF PIPE (OPTIONAL)
OPTIONAL PERFORATED UNDERDRAIN PIPE TO OUTLET STRUCTURE

BIOSWALE

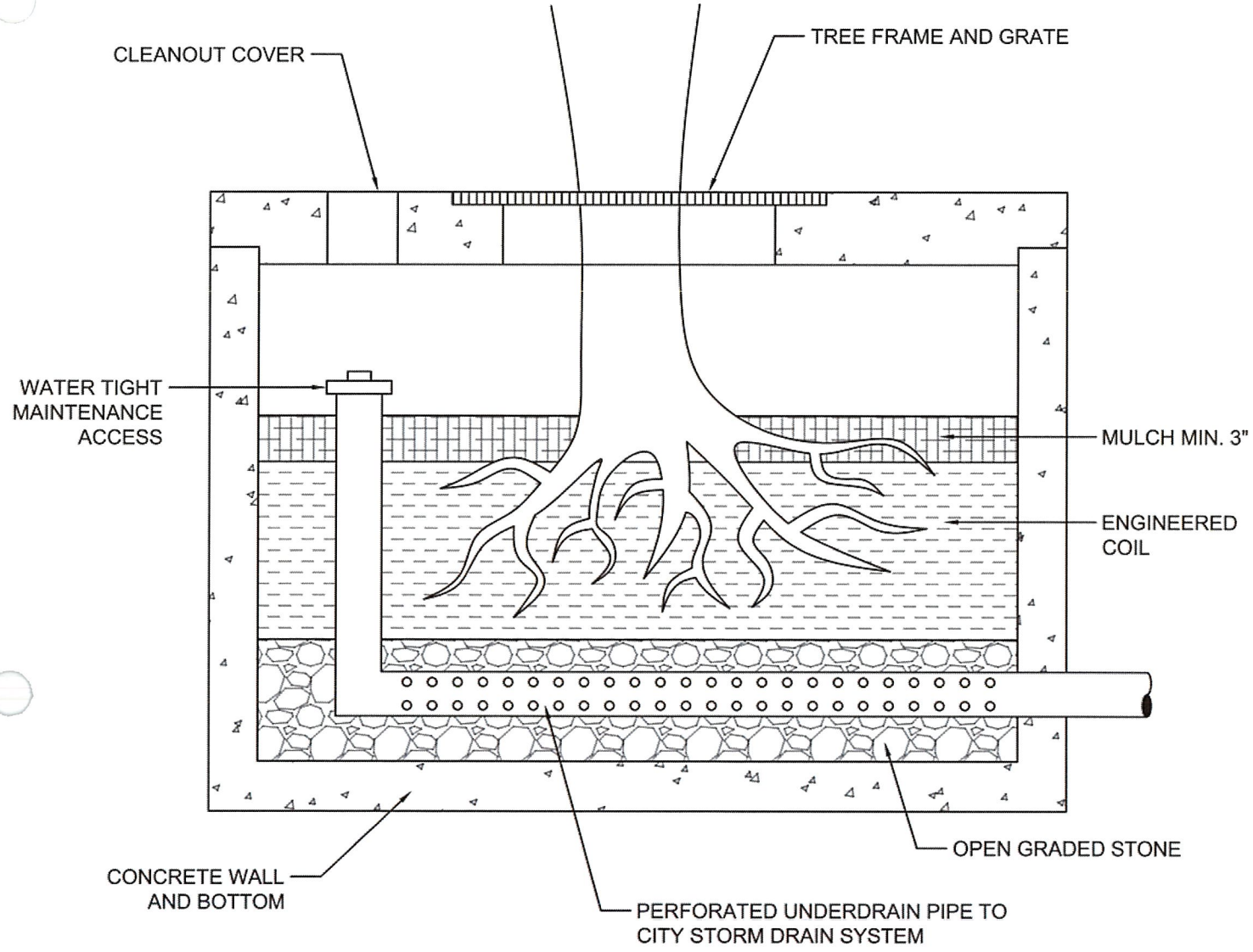


RAIN GARDEN IN NATIVE OR ENGINEERED SOILS

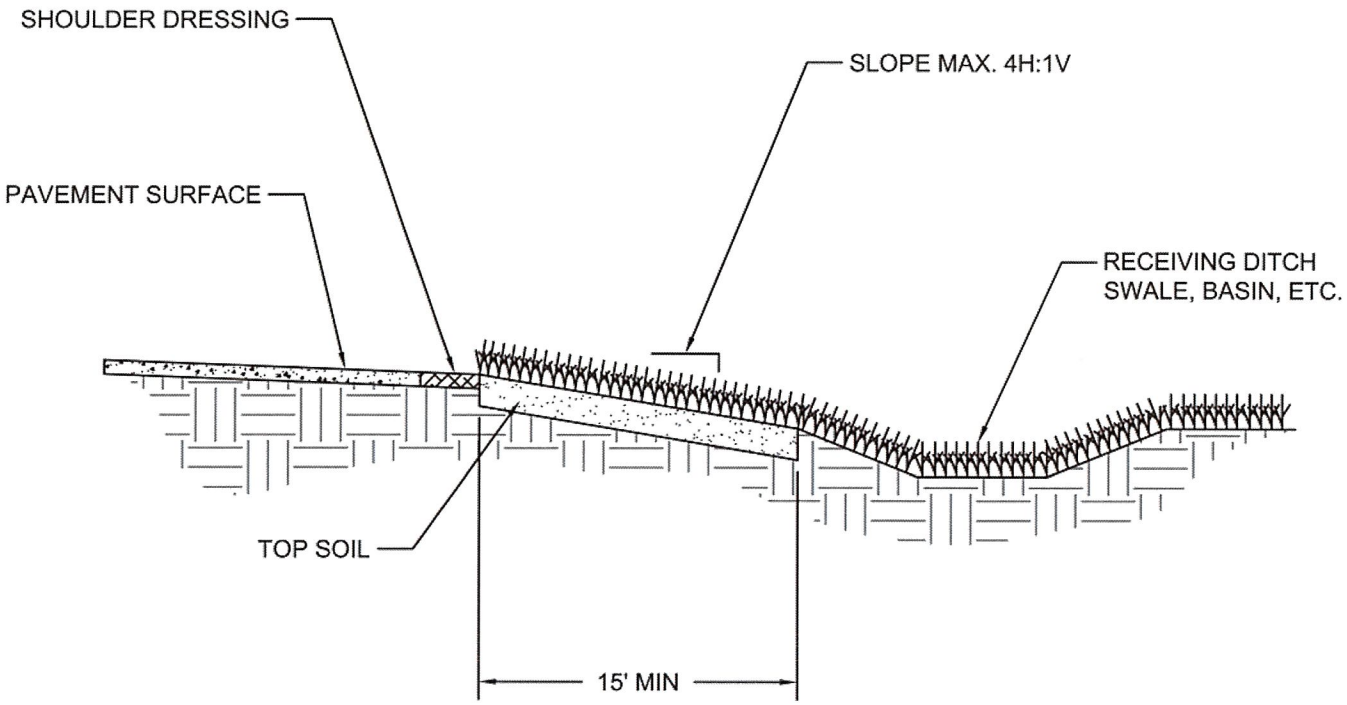


RAIN GARDEN WITH UNDERDRAIN SYSTEM

SOUTH SALT LAKE ENGINEERING DEPARTMENT 220 E MORRIS AVENUE SOUTH SALT LAKE, UTAH 84115	CITY OF SOUTH SALT LAKE POST CONSTRUCTION BMPS	RAIN GARDEN	SHEET RG DATE JULY, 2020



TREE BOX FILTERS



VEGETATED STRIPS

SOUTH SALT LAKE ENGINEERING DEPARTMENT 220 E MORRIS AVENUE SOUTH SALT LAKE, UTAH 84115	CITY OF SOUTH SALT LAKE POST CONSTRUCTION BMPS	VEGETATED STRIPS	SHEET VS DATE JULY, 2020

Appendix B

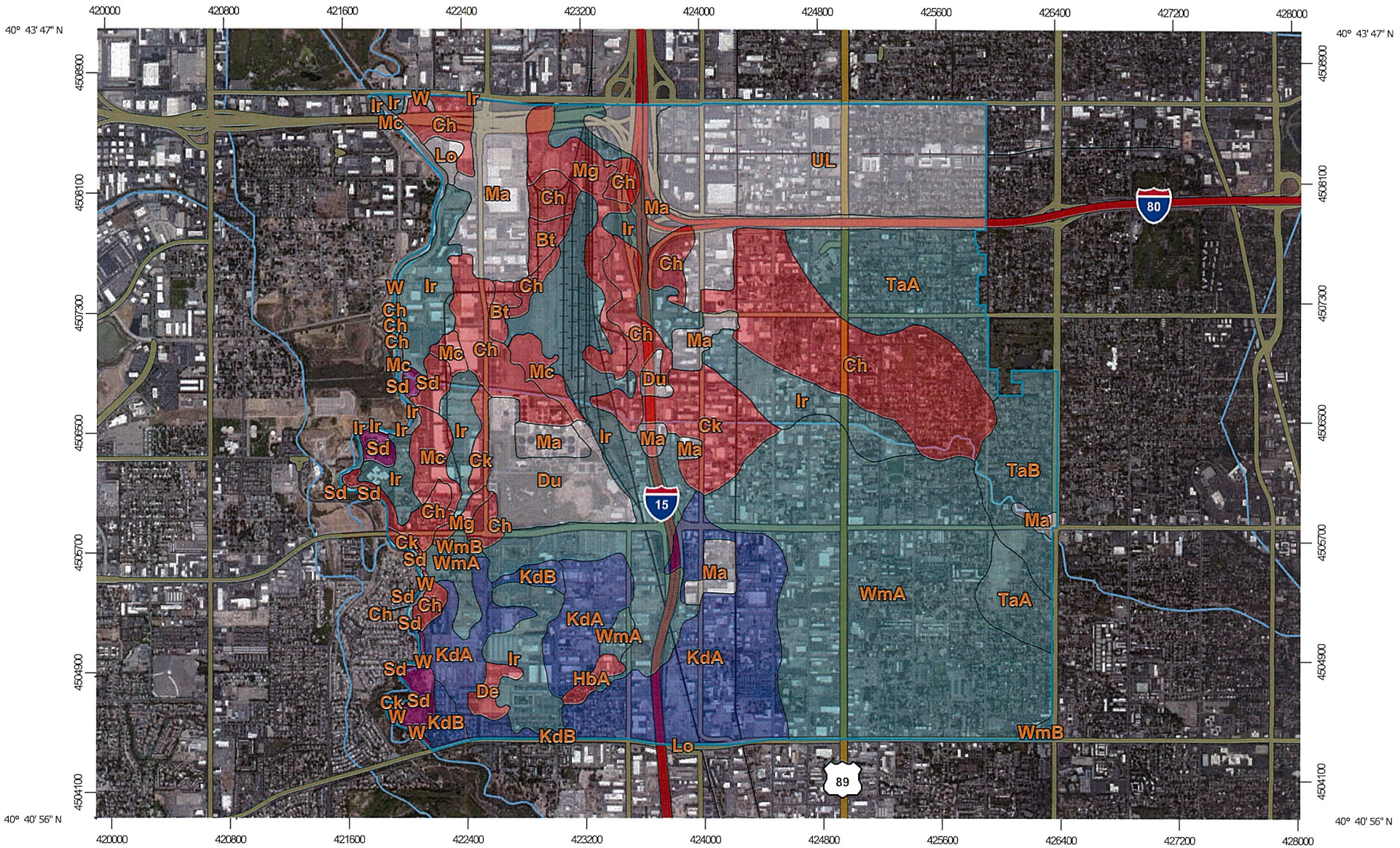
Manning's Coefficient

Channel material	n
Plastic (PVC and ABS)	0.009
Clean, uncoated cast iron	0.014
Clean, coated cast iron	0.013
Dirty, tuberculate cast iron	0.025
Riveted steel	0.016
Lock-ar and welded steel pipe	0.012
Galvanized iron	0.016
Brass and glass	0.011
Wood stave	
small diameter	0.011
large diameter	0.012
Concrete	
average value used	0.013
typical commercial, ball and spigot, rubber gasketed end connections	
full (pressurized and wet)	0.01
partially full	0.0085
with rough joints	0.0165
dry mix, ough forms	0.0155
wet mix, steel forms	0.013
very smooth, finished	0.0115
Vitrified sewer	0.014
Common-clay drainage tile	0.013
Asbestos	0.011
Planed timber (flume)	0.012
Canvas	0.012
Unplaned timber (flume)	0.013
Brick	0.016
Rubble masonry	0.017
Smooth earth	0.018
Firm gravel	0.023
Corrugated metal pipe (CMP)	0.0275
Natural channels, good condition	0.025
Rip rap	0.035
Natural channels with stones and weeds	0.035
Very poor natural channels	0.06

Appendix C

NRCS South Salt Lake City Hydrologic Soil Group

Hydrologic Soil Group—Salt Lake Area, Utah
(South Salt Lake City Hydrologic Soil Group)



Map Scale: 1:37,100 if printed on A landscape (11" x 8.5") sheet.

N

Meters
0 500 1000 2000 3000

Feet
0 1500 3000 6000 9000

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 12N WGS84

MAP LEGEND

Area of Interest (AOI)

- Area of Interest (AOI)

Soils

Soil Rating Polygons

- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not rated or not available

Soil Rating Lines

- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not rated or not available

Soil Rating Points

- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not rated or not available

Water Features

- Streams and Canals

Transportation

- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background

- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Salt Lake Area, Utah
Survey Area Data: Version 13, Jun 8, 2020

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Aug 5, 2018—Sep 14, 2018

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Hydrologic Soil Group

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
Bt	Bramwell silty clay loam, hardpan variant	D	30.2	0.7%
Ch	Chipman silty clay loam, 0 to 1 percent slopes	D	622.0	14.0%
Ck	Chipman silty clay loam, saline, sodic, 0 to 1 percent slopes	D	124.6	2.8%
De	Deckerman fine sandy loam, 0 to 1 percent slopes	D	17.2	0.4%
Du	Dumps		133.7	3.0%
HbA	Harrisville silt loam, 0 to 1 percent slopes	D	13.0	0.3%
Ir	Lewiston loam, 0 to 1 percent slopes	C	720.0	16.2%
KdA	Kidman very fine sandy loam, 0 to 1 percent slopes	B	475.2	10.7%
KdB	Kidman very fine sandy loam, 1 to 3 percent slopes	B	34.6	0.8%
Lo	Loamy borrow pits		10.7	0.2%
Ma	Made land		346.6	7.8%
Mc	Magna silty clay, 0 to 1 percent slopes	D	71.0	1.6%
Mg	Magna silty clay, peaty surface	D	98.9	2.2%
Sd	Sandy alluvial lands	A	42.2	0.9%
TaA	Taylorsville silty clay loam, 0 to 1 percent slopes	C	267.8	6.0%
TaB	Taylorsville silty clay loam, 1 to 3 percent slopes	C	134.3	3.0%
UL	Urban land		405.6	9.1%
W	Water		41.8	0.9%
WmA	Welby silt loam, 0 to 1 percent slopes	C	837.7	18.9%
WmB	Welby silt loam, 1 to 3 percent slopes	C	13.1	0.3%
Totals for Area of Interest			**4,440.4**	**100.0%**

Description

Hydrologic soil groups are based on estimates of runoff potential. Soils are assigned to one of four groups according to the rate of water infiltration when the soils are not protected by vegetation, are thoroughly wet, and receive precipitation from long-duration storms.

The soils in the United States are assigned to four groups (A, B, C, and D) and three dual classes (A/D, B/D, and C/D). The groups are defined as follows:

Group A. Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

Group B. Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.

Group C. Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.

Group D. Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high water table, soils that have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

If a soil is assigned to a dual hydrologic group (A/D, B/D, or C/D), the first letter is for drained areas and the second is for undrained areas. Only the soils that in their natural condition are in group D are assigned to dual classes.

Rating Options

Aggregation Method: Dominant Condition

Component Percent Cutoff: None Specified

Tie-break Rule: Higher

City of South Salt Lake

Supplementary

Standard Plans

2018

Revised Sept. 1, 2020

PREFACE

The City of South Salt Lake has adoped the latest edition of the APWA Manual of Standard Plans as its engineering standard for development and construction. However, in certain conditions the APWA Standard Plans do not adequately represent the City's engineering requirements. To this end the City has developed this supplementary standard. All plans in this supplementary manual replace the corresponding plans in the APWA Manual of Standard Plans. Any questions concerning the use of the supplementary drawings should be directed to the South Salt Lake City Engineering Department.

Table of Contents

PART 1 – GENERAL REQUIREMENT

Stormwater Best Management Practices (BMPs)

PART 2 – ROADWAY

Curb, Gutter, Driveway, Sidewalk

Roadways

PART 3 – STORM DRAIN

Catch Basins, Inlets, Outlets and hardware

PART 4 – SANITARY SEWER

PART 5 – WATER SYSTEMS

PART 6 – IRRIGATION AND LANDSCAPING

Planting

PART 7 – LIGHTING, TRAFFIC CONTROL

Street Lighting

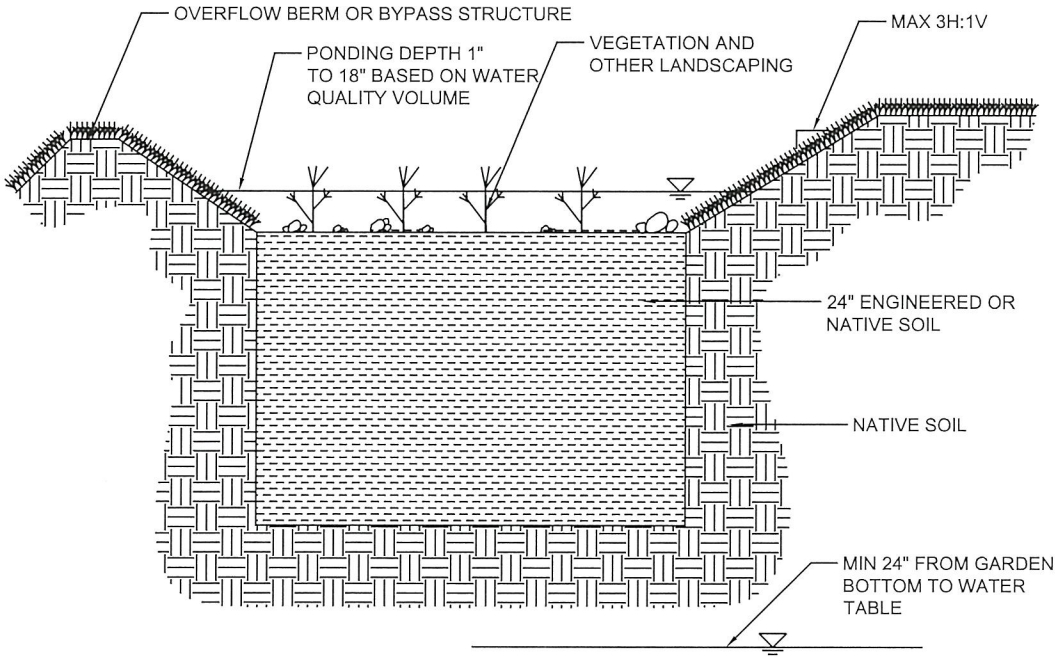
PART 8 – GENERAL FACILITIES

PART 9 – STREET

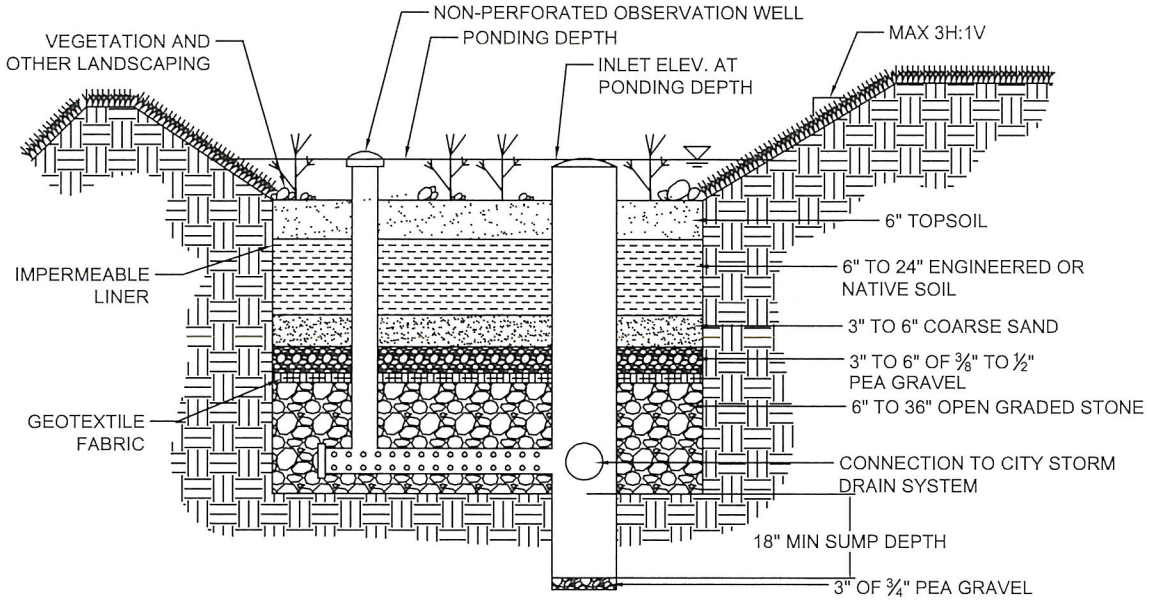
Street Sections

PART 1

GENERAL REQUIREMENT



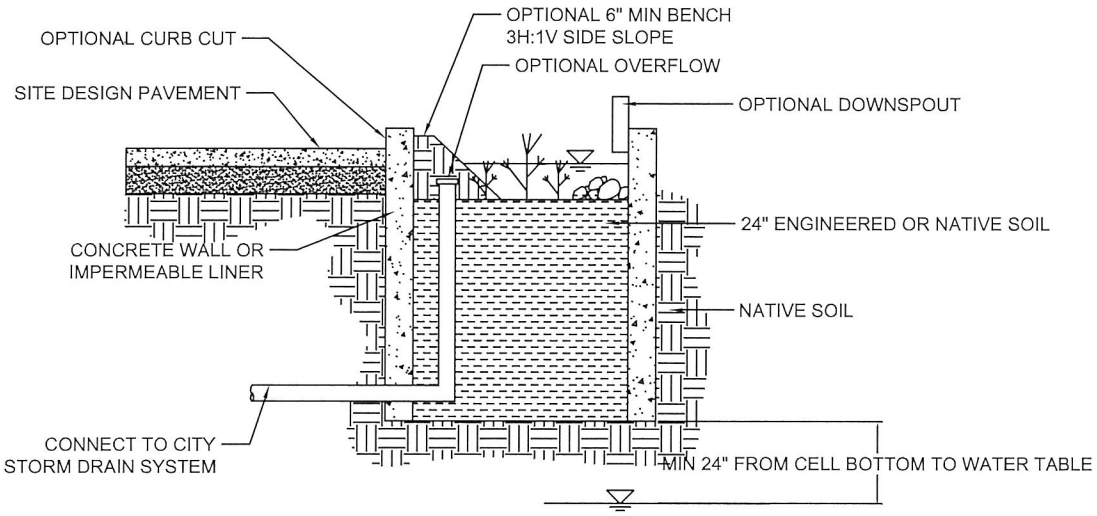
RAIN GARDEN IN NATIVE OR ENGINEERED SOILS



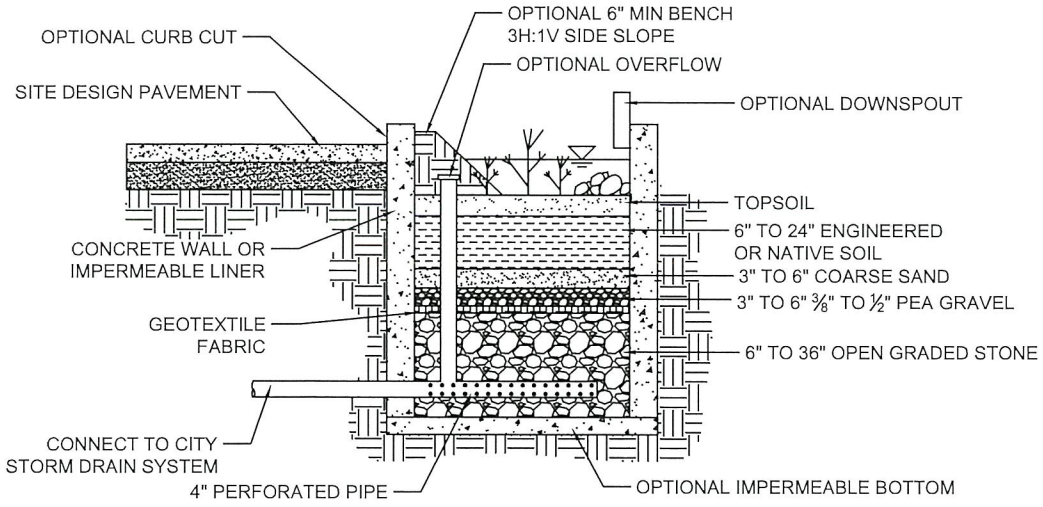
RAIN GARDEN WITH UNDERDRAIN SYSTEM

Rain garden

SHEET 131
DATE SEPTEMBER 2020
RAIN GARDEN
CITY OF SOUTH SALT LAKE STANDARD DRAWINGS
SOUTH SALT LAKE ENGINEERING DEPARTMENT
220 E MORRIS AVENUE
DRAWN BY LINGKUN LI
CHECKED BY
SCALE



BIORETENTION CELL IN NATIVE OR ENGINEERED SOILS



BIORETENTION CELL WITH UNDERDRAIN SYSTEM

Bioretention Cell

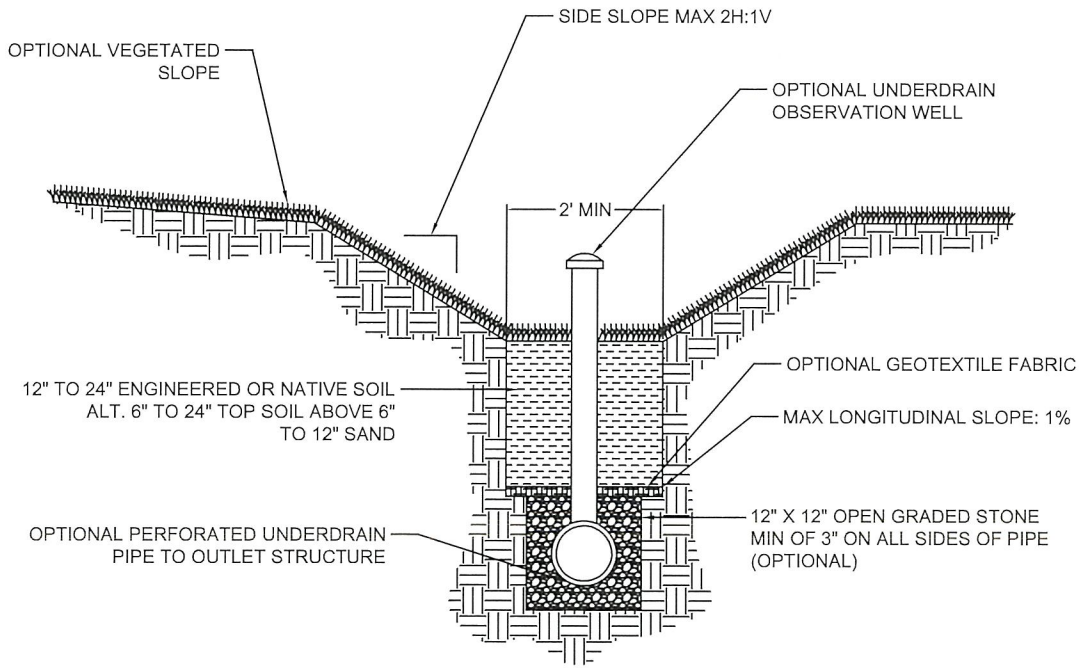
SHEET 132
DATE SEPTEMBER 2020

BIORETENTION CELL

CITY OF SOUTH SALT LAKE
STANDARD DRAWINGS

SOUTH SALT LAKE
ENGINEERING DEPARTMENT
220 E MORRIS AVENUE

DRAWN BY LINGKUN LI
CHECKED BY
SCALE



BIOSWALE

Bioswale

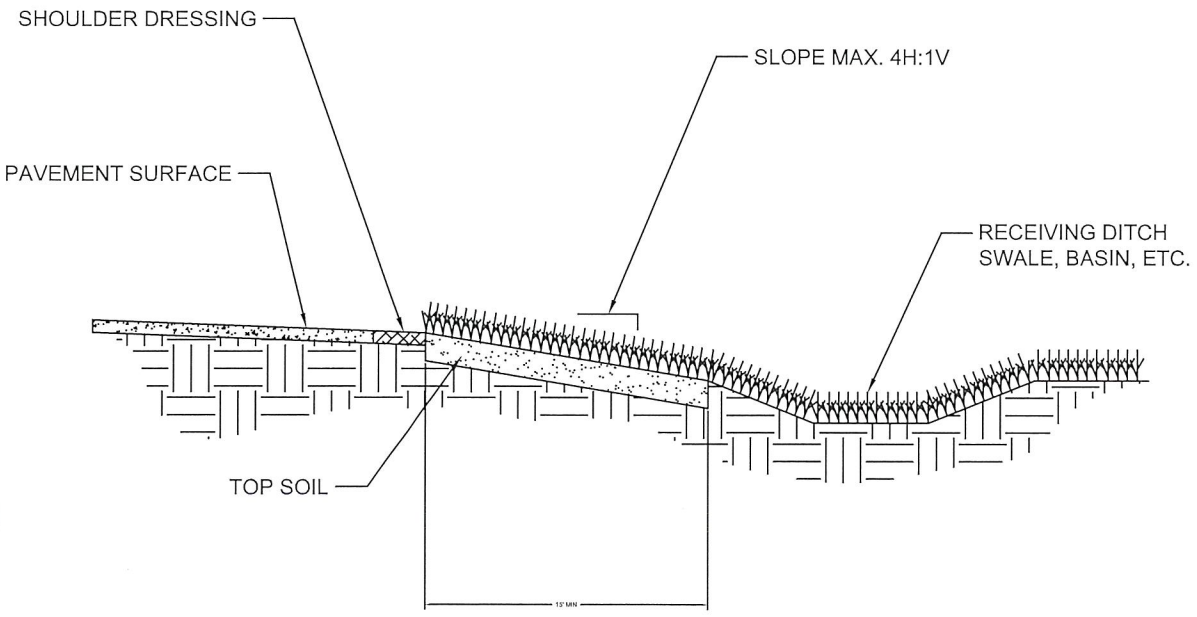
SHEET 133
DATE SEPTEMBER 2020

BIOSWALE

CITY OF SOUTH SALT LAKE
STANDARD DRAWINGS

SOUTH SALT LAKE
ENGINEERING DEPARTMENT
220 E MORRIS AVENUE

DRAWN BY LINGXUN LI
CHECKED BY
SCALE



VEGETATED STRIP

Vegetated strip

SHEET 134

DATE SEPTEMBER 2020

VEGETATED STRIP

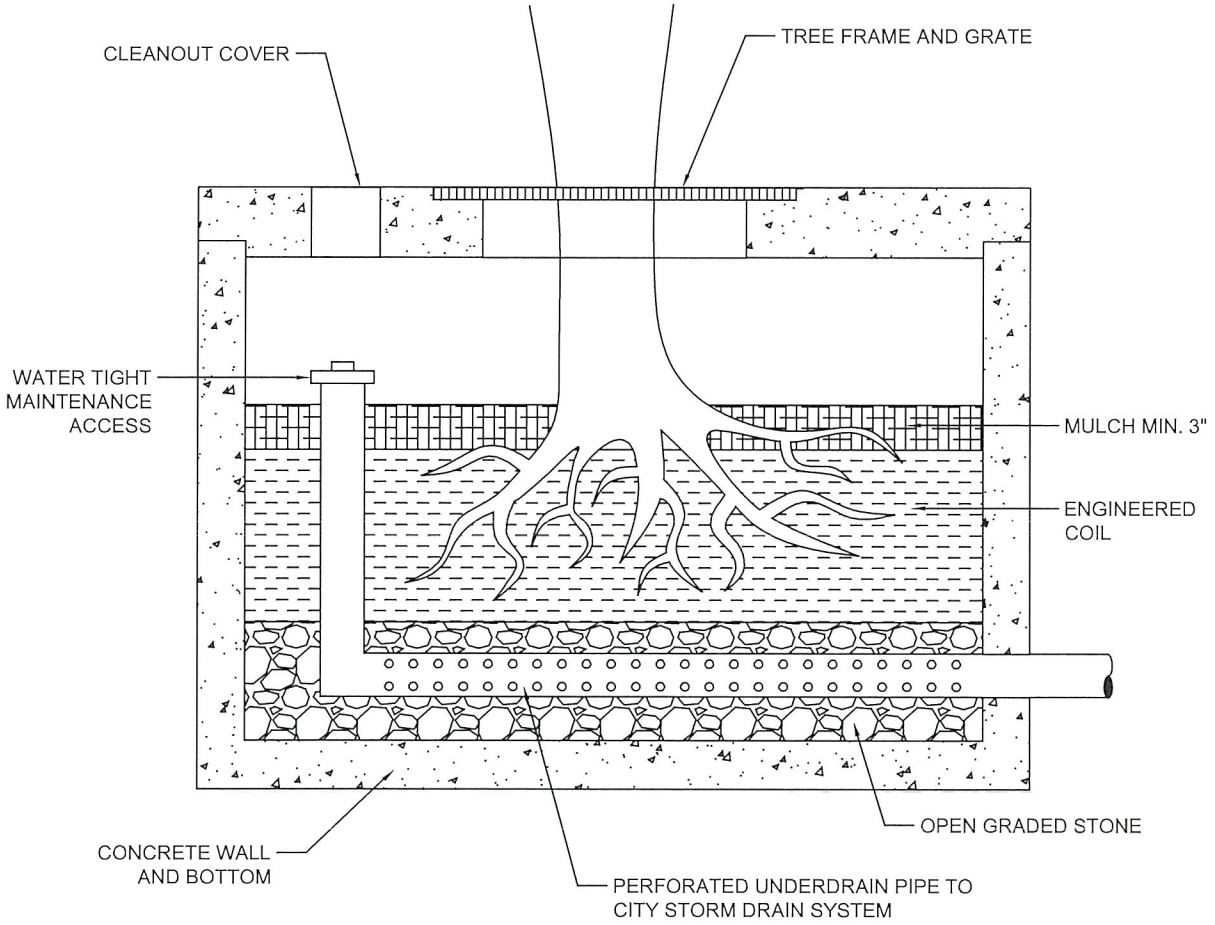
CITY OF SOUTH SALT LAKE
STANDARD DRAWINGS

SOUTH SALT LAKE
ENGINEERING DEPARTMENT
220 E MORRIS AVENUE

DRAWN BY LINGKUN LI

CHECKED BY

SCALE



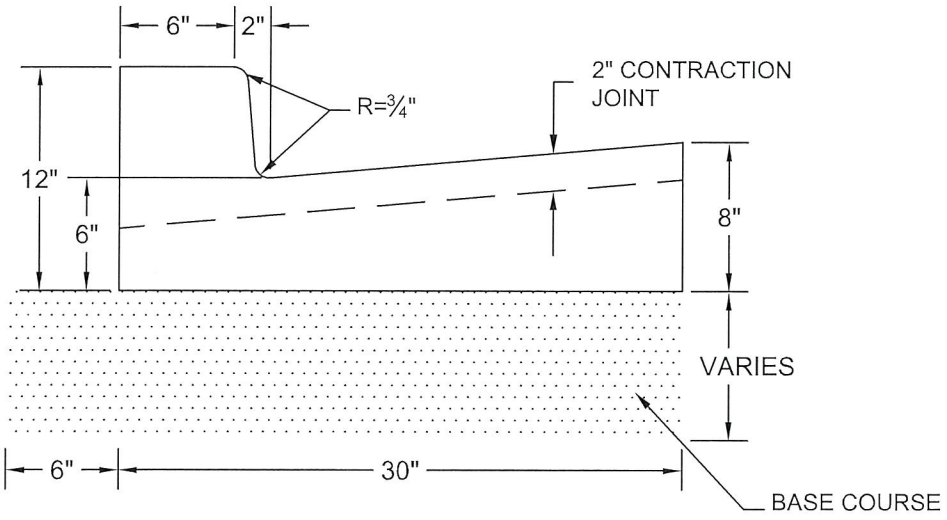
TREE BOX FILTERS

Tree box filters

PART 2

ROADWAY

BACKFILL BEHIND CURB BEFORE
PAVING AGAINST LIP OF GUTTER

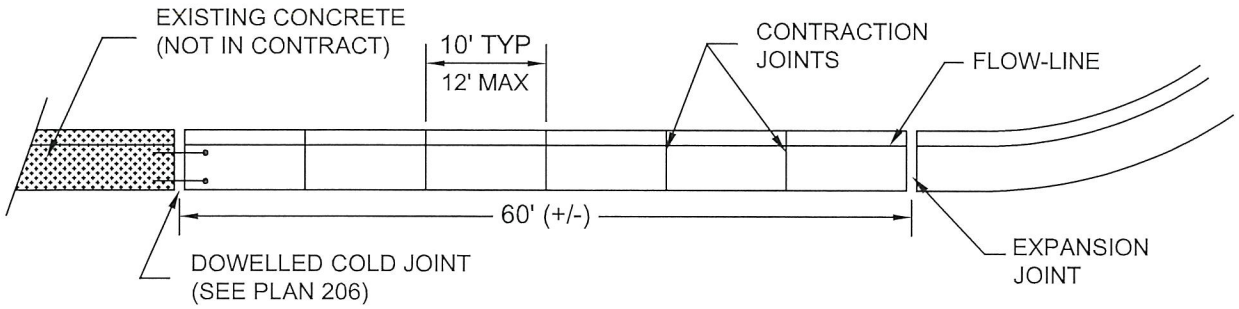


CONCRETE AREA = 1.7 SQ. FT.

Type A

Notes:

1. Notes for APWA Standard Plan 205.1 shall apply to this drawing;
2. APWA Type B, C, D, E, F, G, H, or HB30-7 Curb and Gutter may be used where applicable and only if approved by City Engineer.



JOINT DETAIL

Curb and gutter

This drawing replaces
APWA Plan 205.1
August 2018

SHEET 205.1
DATE SEPTEMBER 2019

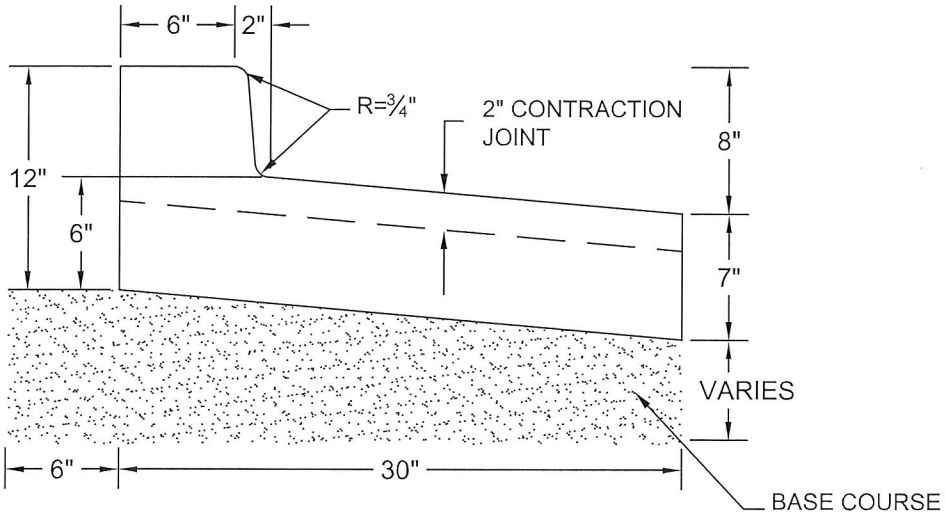
CURB AND GUTTER

CITY OF SOUTH SALT LAKE
STANDARD DRAWINGS

SOUTH SALT LAKE
ENGINEERING DEPARTMENT
220 E MORRIS AVENUE

DRAWN BY LINGKUN LI
CHECKED BY
SCALE

BACKFILL BEHIND CURB BEFORE
PAVING AGAINST LIP OF GUTTER

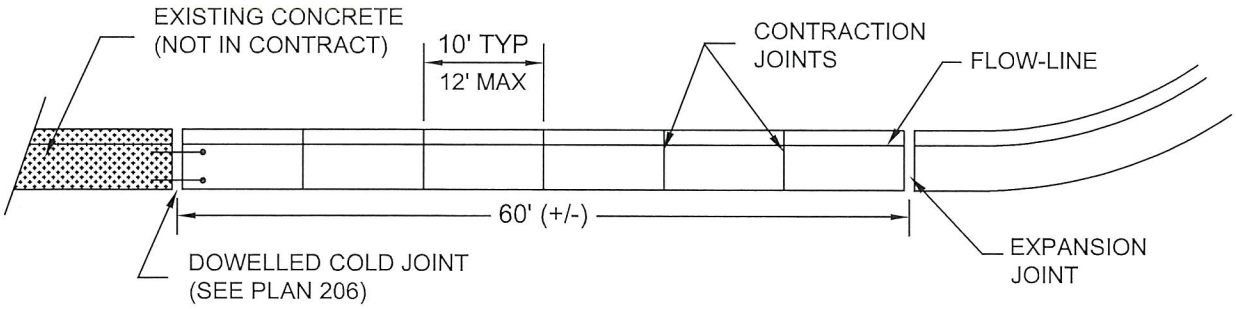


CONCRETE AREA = 1.68 SQ. FT.

Reversed Curb Pan

Notes:

1. Notes for APWA Standard Plan 205.1 shall apply to this drawing;



JOINT DETAIL

Curb and gutter (Reversed Pan)

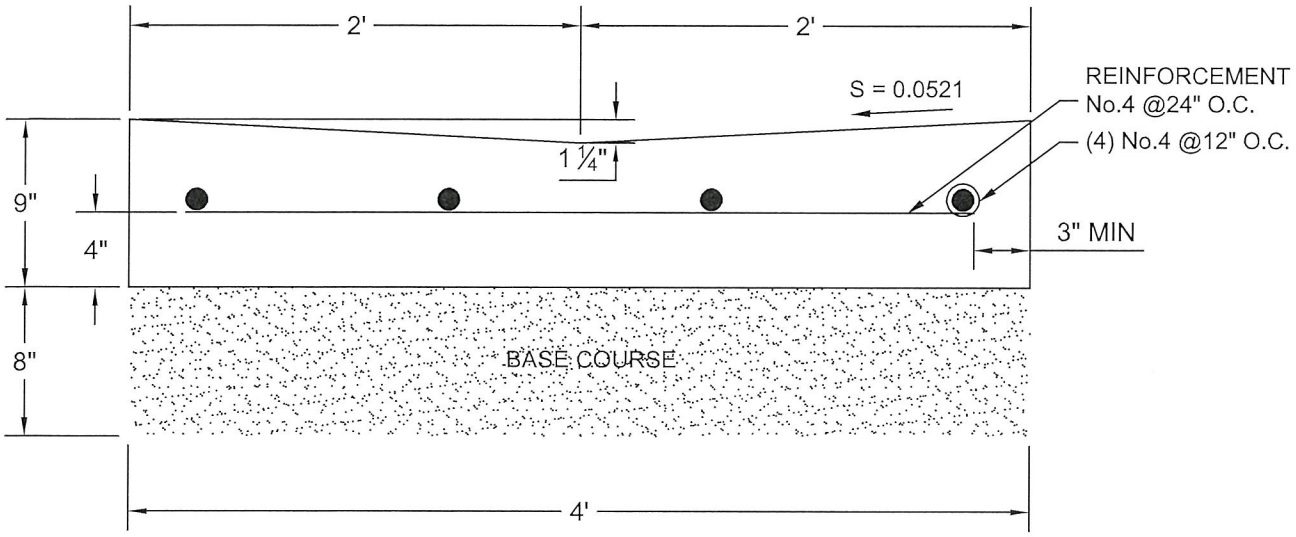
SHEET 205.2
DATE SEPTEMBER 2009

CURB AND GUTTER
(REVERSED PAN)

CITY OF SOUTH SALT LAKE
STANDARD DRAWINGS

SOUTH SALT LAKE
ENGINEERING DEPARTMENT
220 E MORRIS AVENUE

DRAWN BY LINGKUN LI
CHECKED BY
SCALE



4'-0" WATERWAY

CONCRETE AREA = 2.583 SQ. FT.

Notes:

1. Notes for APWA Standard Plan 211 shall apply to this drawing.

Waterway

This drawing replaces
APWA Plan 211
August 2018

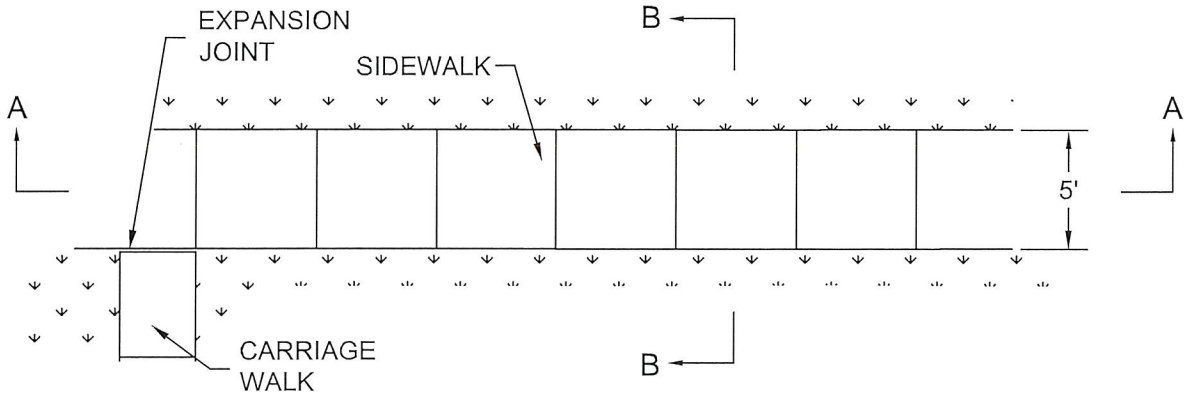
SHEET 211
DATE SEPTEMBER 2019

WATERWAY

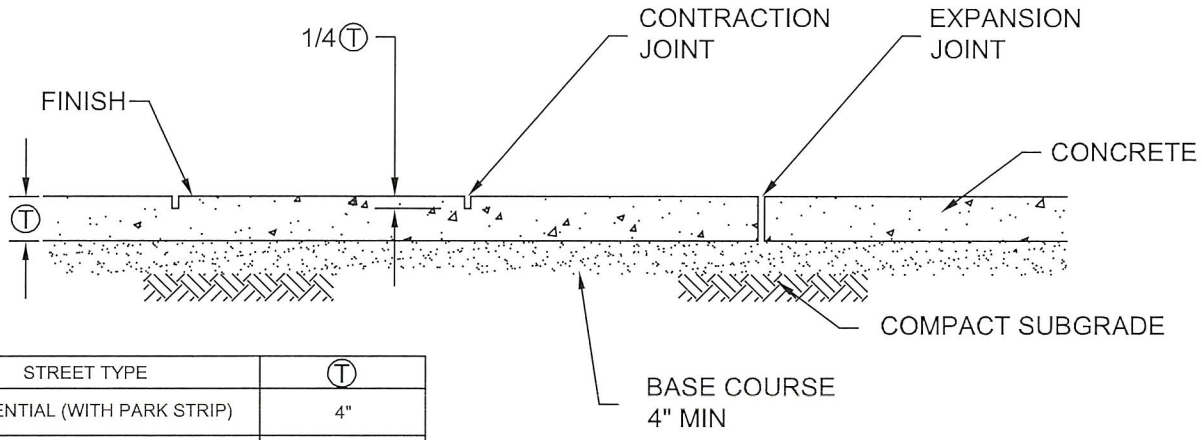
CITY OF SOUTH SALT LAKE
STANDARD DRAWINGS

SOUTH SALT LAKE ENGINEERING DEPARTMENT
220 E MORRIS AVENUE

DRAWN BY LINGKUN LI
CHECKED BY
SCALE



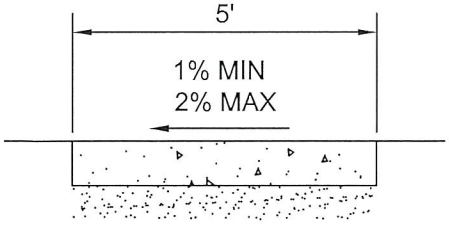
PLAN



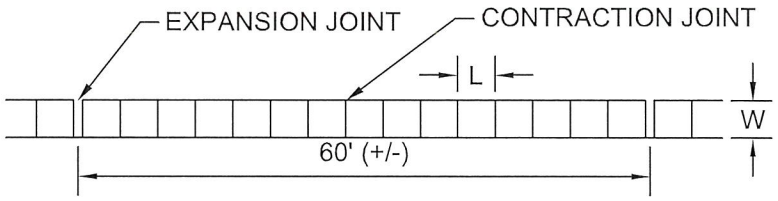
STREET TYPE	Ⓣ
RESIDENTIAL (WITH PARK STRIP)	4"
RESIDENTIAL (NO PARK STRIP)	6"
OTHER	6"
REPLACING EXISTING SIDEWALK	MATCH EXISTING (4" MIN.)

SEE DRIVEWAY APPROACH PLANS FOR SIDEWALK THICKNESS AT DRIVEWAYS

SECTION A-A



SECTION B-B



$L_{MIN} = W$

L_{MAX} (in feet) = 2.5 x Ⓣ (in inches)
= 15 FEET MAX

SIDEWALK JOINT DETAIL

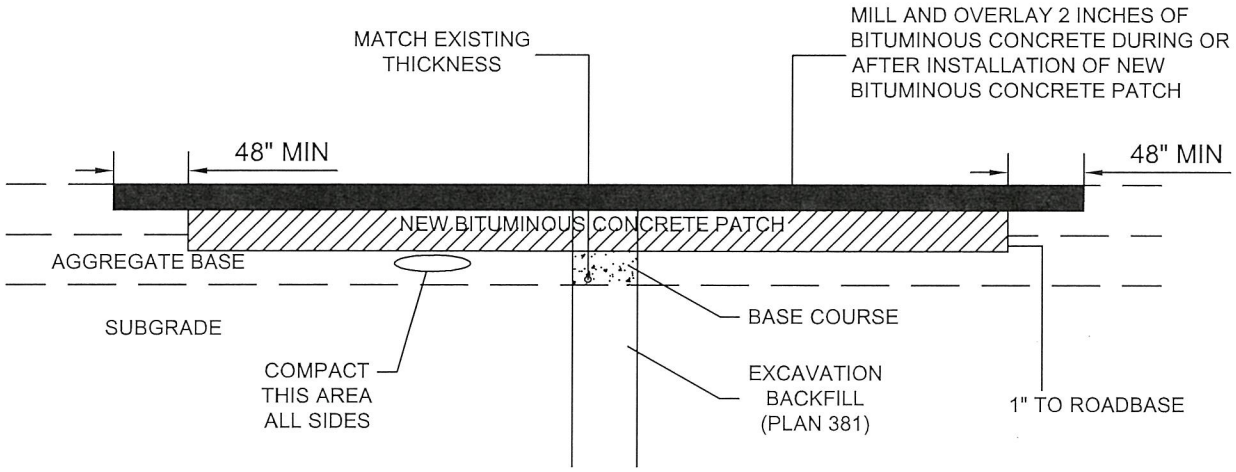
Notes:

1. Notes for APWA Standard Plan 231 shall apply to this drawing.

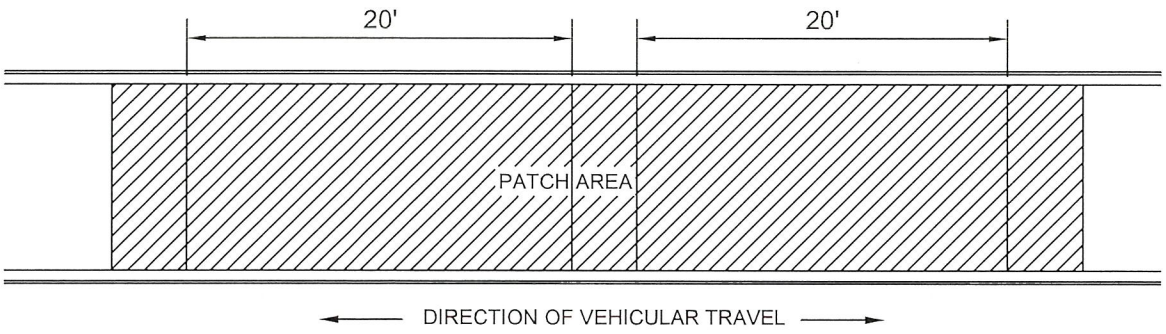
Sidewalk

This drawing replaces
APWA Plan231
August 2018

SHEET 231
DATE SEPTEMBER 2019
SIDEWALK
CITY OF SOUTH SALT LAKE
STANDARD DRAWINGS
SOUTH SALT LAKE
ENGINEERING DEPARTMENT
220 E MORRIS AVENUE
DRAWN BY LINGKUN LI
CHECKED BY
SCALE



BACKFILL



PATCH AREA

Asphalt pavement patch (5 years or newer)

SHEET 255.1
DATE SEPTEMBER 2019

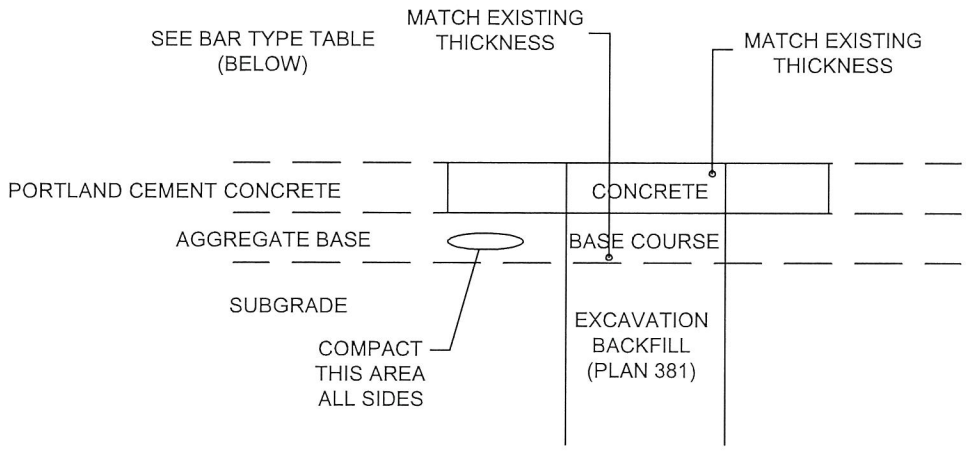
ASPHALT PAVEMENT T-PATCH (5 YEARS OR NEWER)

CITY OF SOUTH SALT LAKE
STANDARD DRAWINGS

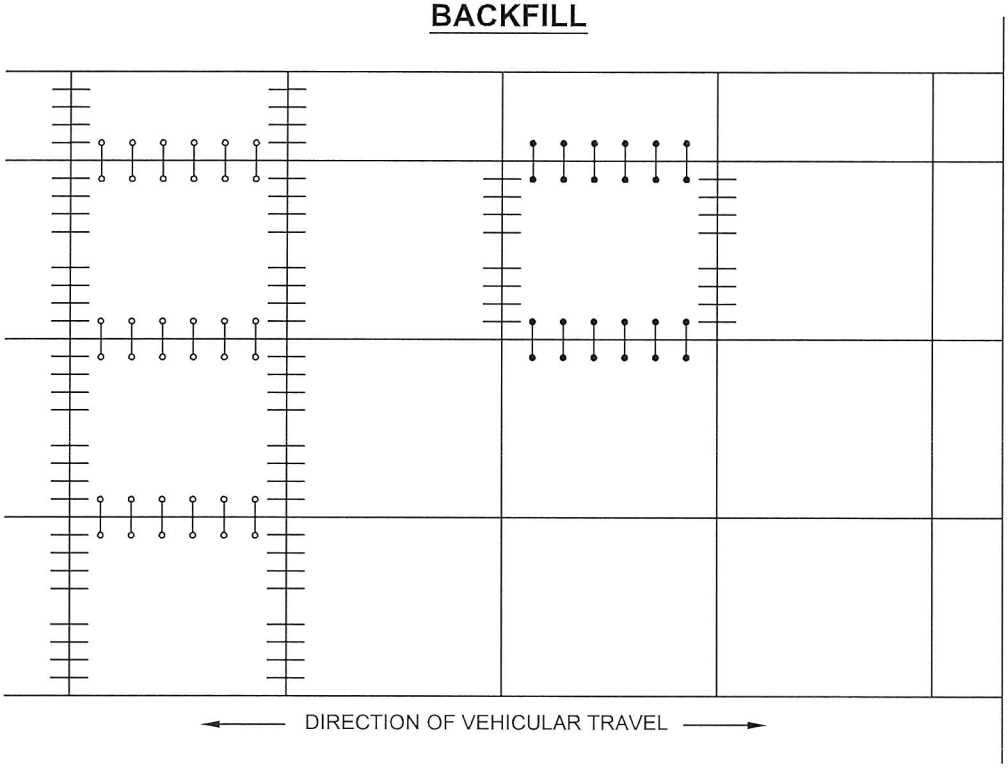
SOUTH SALT LAKE ENGINEERING DEPARTMENT
220 E MORRIS AVENUE

DRAWN BY LINGKUN LI
CHECKED BY
SCALE

BACKFILL AND PANEL TIE-IN

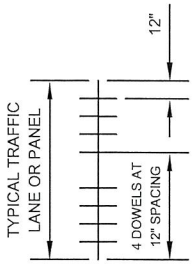


BACKFILL



BAR TYPE	BAR TYPE TABLE
⟷	30" LONG No. 5 TIE BARS AT 30" O.C.
⟷	30" LONG No. 5 TIE BARS AT 15" O.C.
—	18" LONG DOWEL BARS - SEE TABLE 1

TABLE 1	
PAVEMENT THICKNESS	DOWEL DIAMETER
LESS THAN 9"	1"
≥ 9" AND < 11"	1.25"
11" OR GREATER	1.5"



PANEL TIE-IN

Notes:

1. Notes for APWA Standard Plan 256.2 shall apply to this drawing.

Concrete pavement patch

This drawing replaces
APWA Plan 256.2
August 2018

SHEET 256.2
DATE SEPTEMBER 2019

CONCRETE PAVEMENT PATCH

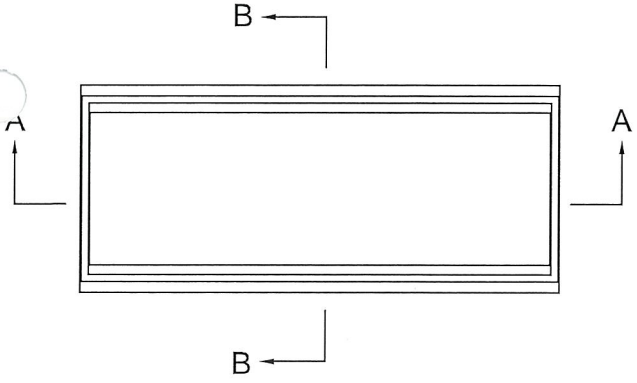
CITY OF SOUTH SALT LAKE
STANDARD DRAWINGS

SOUTH SALT LAKE ENGINEERING DEPARTMENT
220 E MORRIS AVENUE

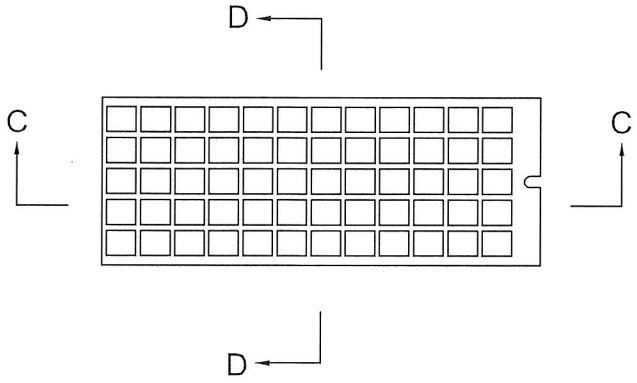
DRAWN BY LINGKUN LI
CHECKED BY
SCALE

PART 3

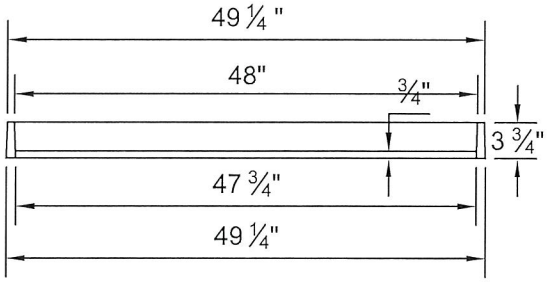
STORM DRAIN



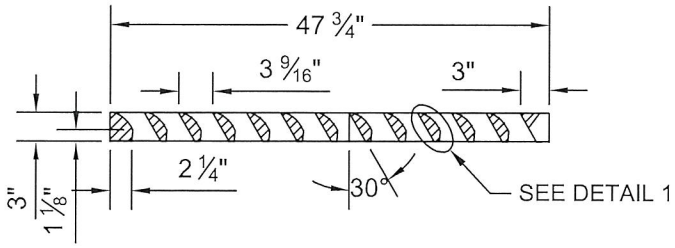
FRAME



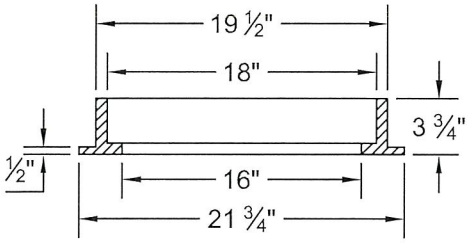
GRATE



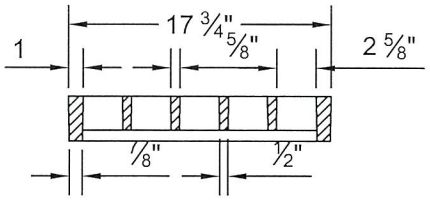
SECTION A-A



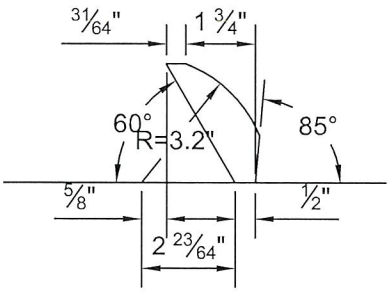
SECTION C-C



SECTION B-B



SECTION D-D



DETAIL 1

Notes:

1. Notes for APWA Standard Plan 309.2 shall apply to this drawing.
2. D & L Supply Grate type I-1803.

47 ¾" Grate and frame

This drawing replaces
APWA Plan 309.2
August 2018

SHEET 309.2
DATE SEPTEMBER 2019

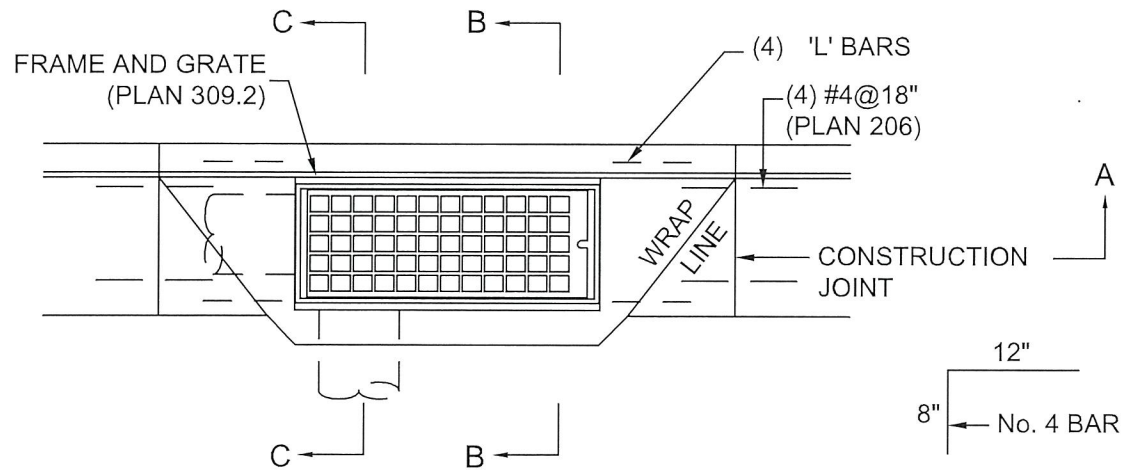
47 ¾" GRATE AND FRAME

CITY OF SOUTH SALT LAKE
STANDARD DRAWINGS

SOUTH SALT LAKE ENGINEERING DEPARTMENT
220 E MORRIS AVENUE

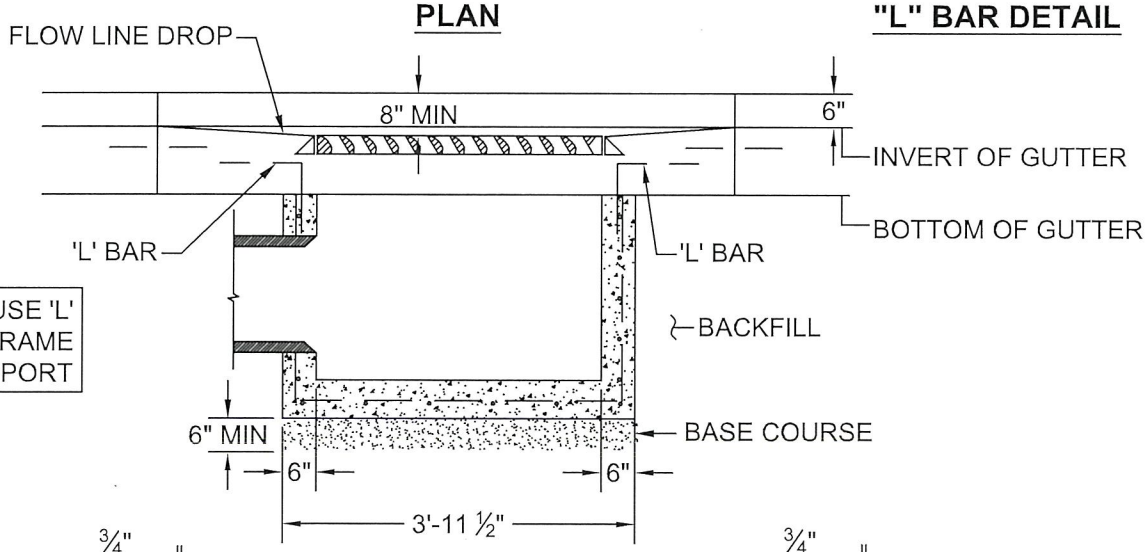
DRAWN BY LINGKUN LI
CHECKED BY
SCALE

SINGLE GRATE

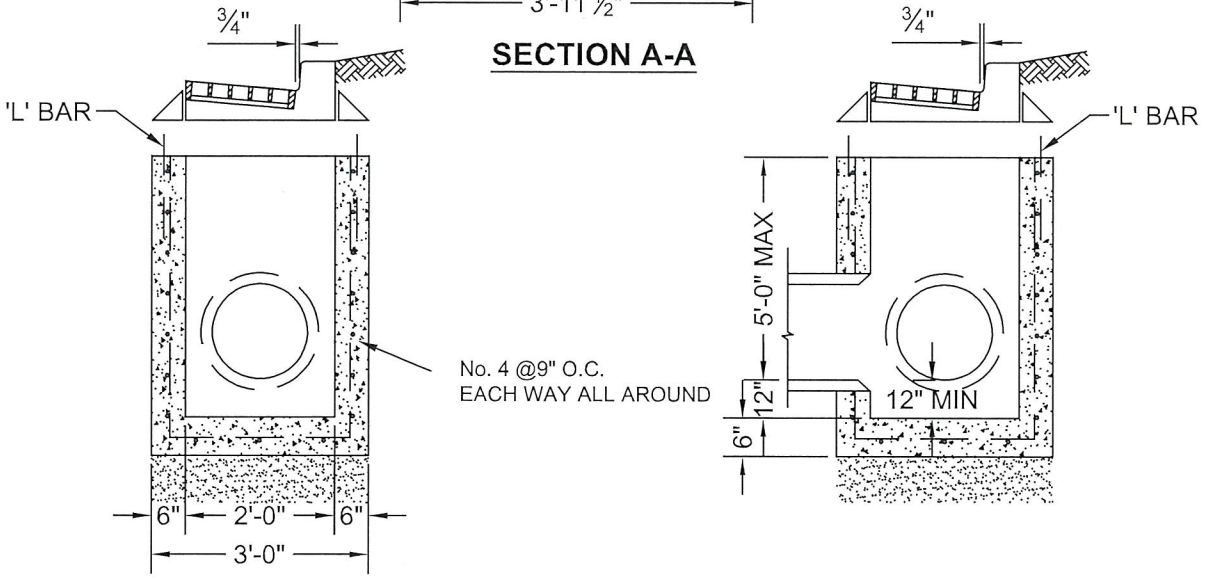


PLAN

"L" BAR DETAIL



SECTION A-A



SECTION B-B

SECTION C-C

Notes:

1. Notes for APWA Standard Plan 315.1 shall apply to this drawing.

Catch basin

This drawing replaces
APWA Plan 315.1
August 2018

SHEET 315.1
DATE SEPTEMBER 2018

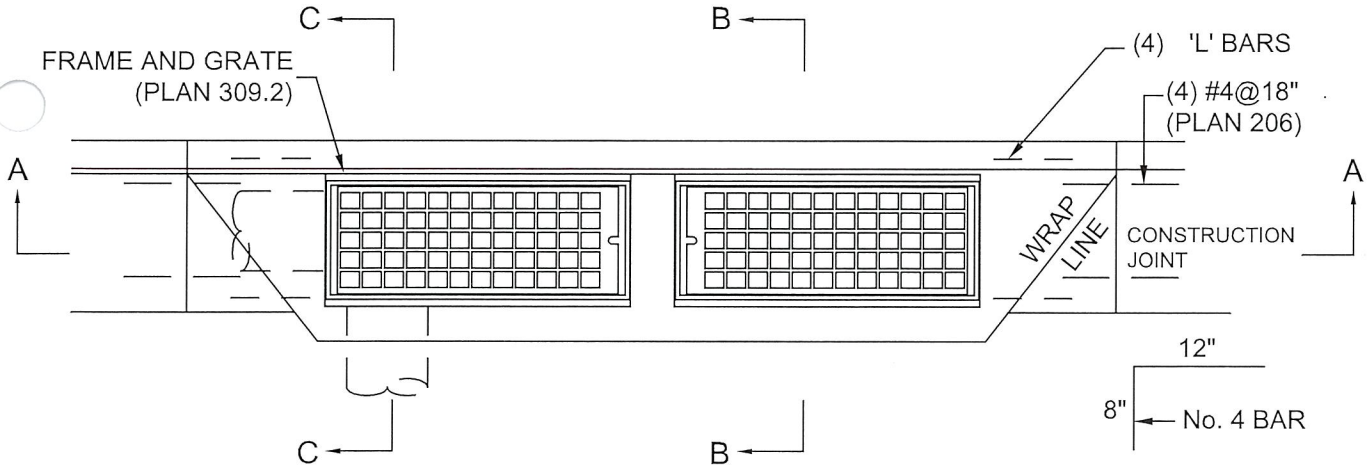
CATCH BASIN

CITY OF SOUTH SALT LAKE
STANDARD DRAWINGS

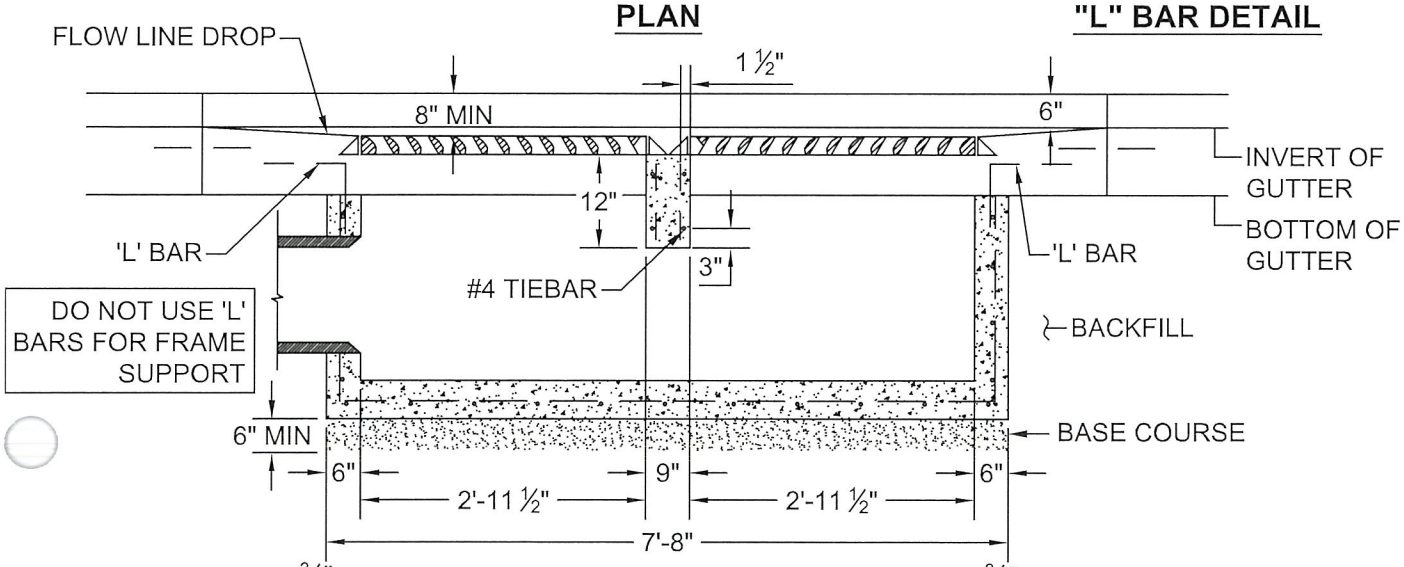
SOUTH SALT LAKE
ENGINEERING DEPARTMENT
220 E MORRIS AVENUE

DRAWN BY LINGKUN LI
CHECKED BY
SCALE

DOUBLE GRATE

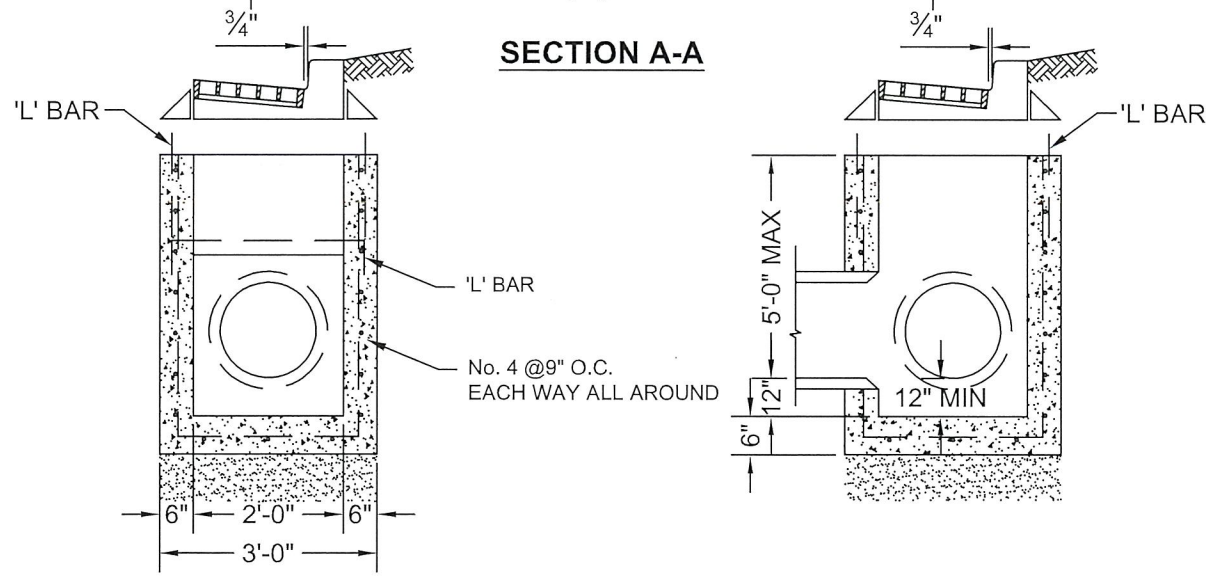


PLAN



"L" BAR DETAIL

SECTION A-A



SECTION B-B

SECTION C-C

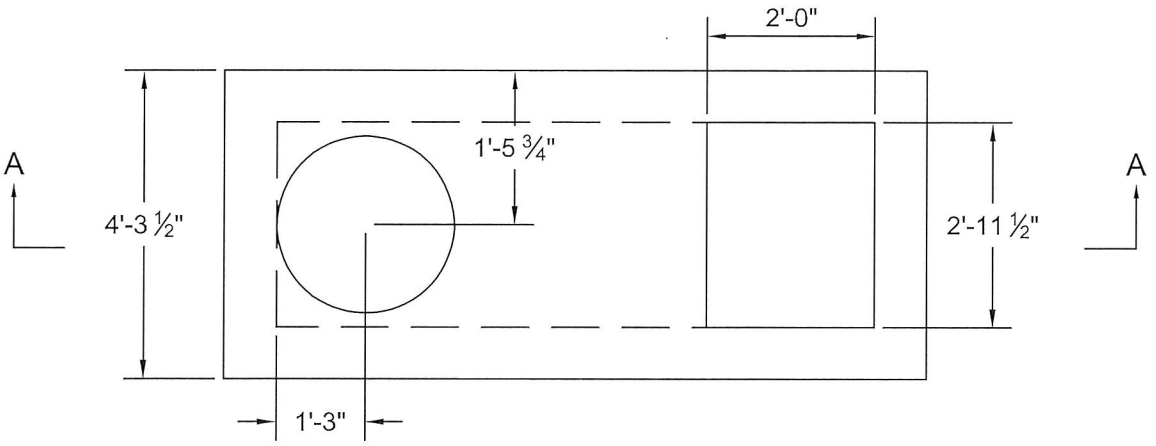
Notes:

1. Notes for APWA Standard Plan 315.2 shall apply to this drawing.

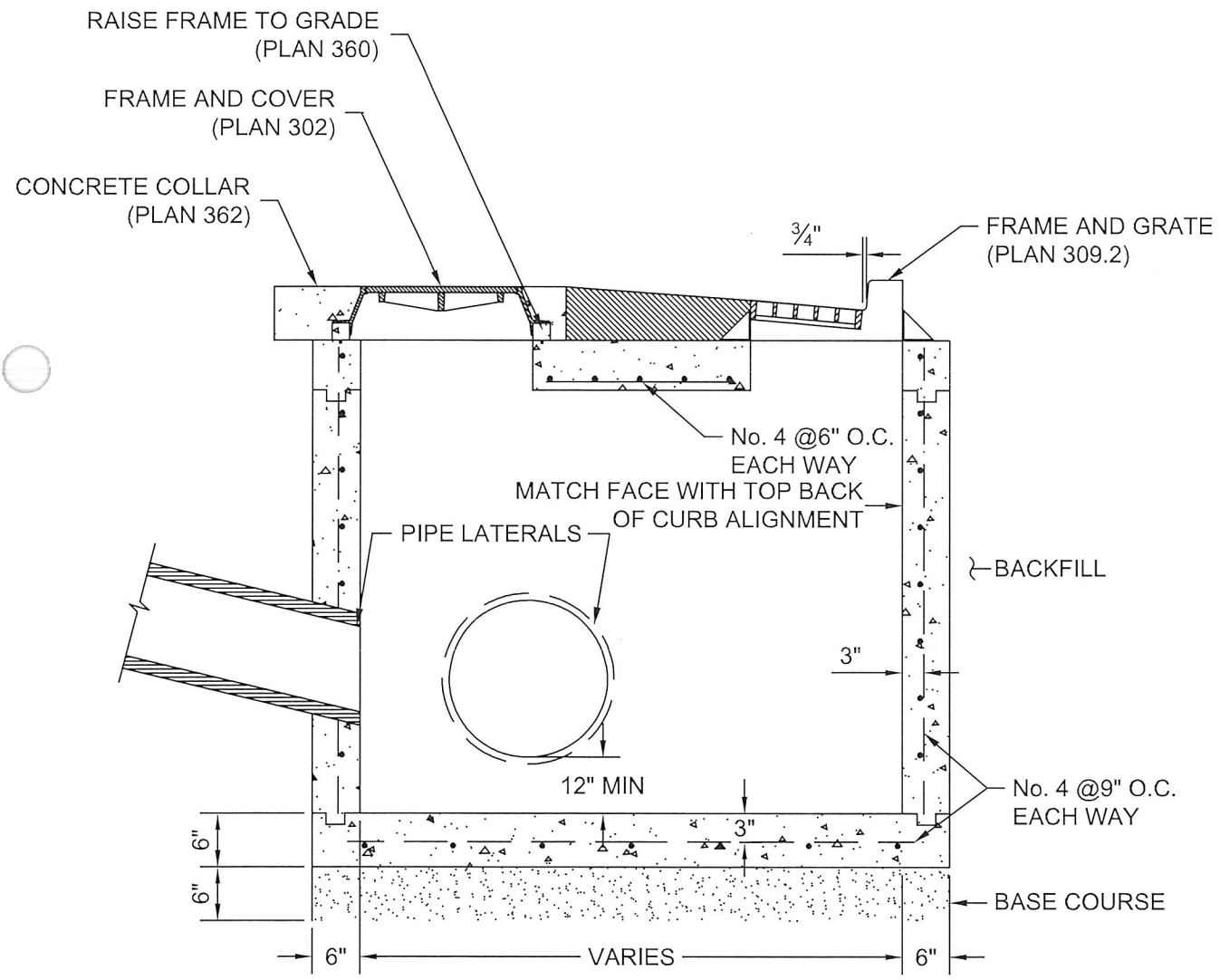
Catch basin

This drawing replaces
APWA Plan 315.2
August 2018

SHEET 315.2
DATE SEPTEMBER 2019
CATCH BASIN
CITY OF SOUTH SALT LAKE
STANDARD DRAWINGS
SOUTH SALT LAKE
ENGINEERING DEPARTMENT
220 E MORRIS AVENUE
DRAWN BY LINGKUN LI
CHECKED BY
SCALE



PLAN



SECTION A-A

Notes:

1. Notes for APWA Standard Plan 316 shall apply to this drawing.

Combination catch basin and cleanout box

This drawing replaces
APWA Plan 316
August 2018

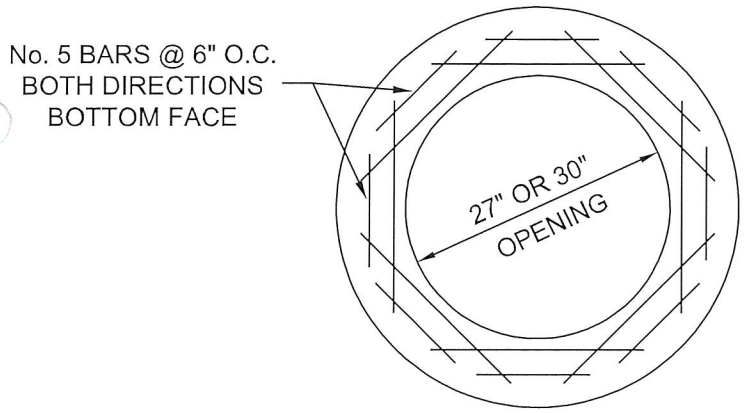
SHEET 316
DATE SEPTEMBER 2019

COMBINATION CATCH BASIN AND CLEANOUT BOX

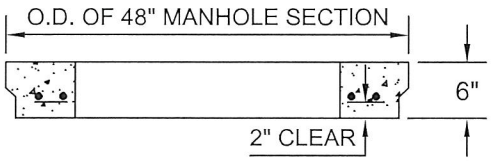
CITY OF SOUTH SALT LAKE STANDARD DRAWINGS

SOUTH SALT LAKE ENGINEERING DEPARTMENT
220 E MORRIS AVENUE

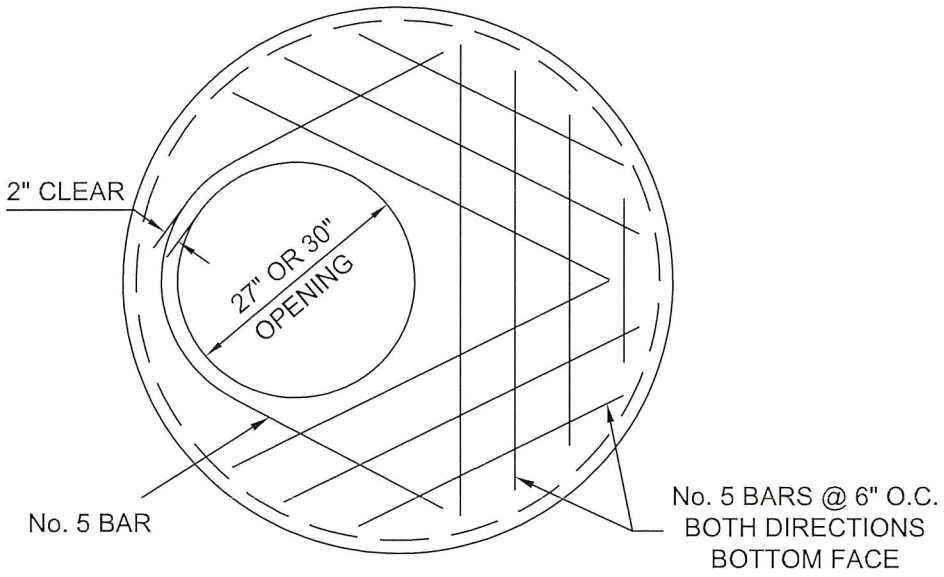
DRAWN BY LINGKUN LI
CHECKED BY
SCALE



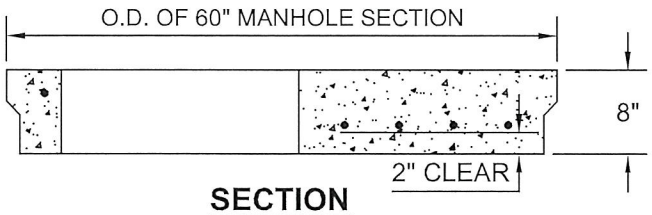
48" DECK PLAN



SECTION



60" DECK PLAN



SECTION

Notes:

1. Notes for APWA Standard Plan 345 shall apply to this drawing.

Concrete deck

This drawing replaces
APWA Plan 345
August 2018

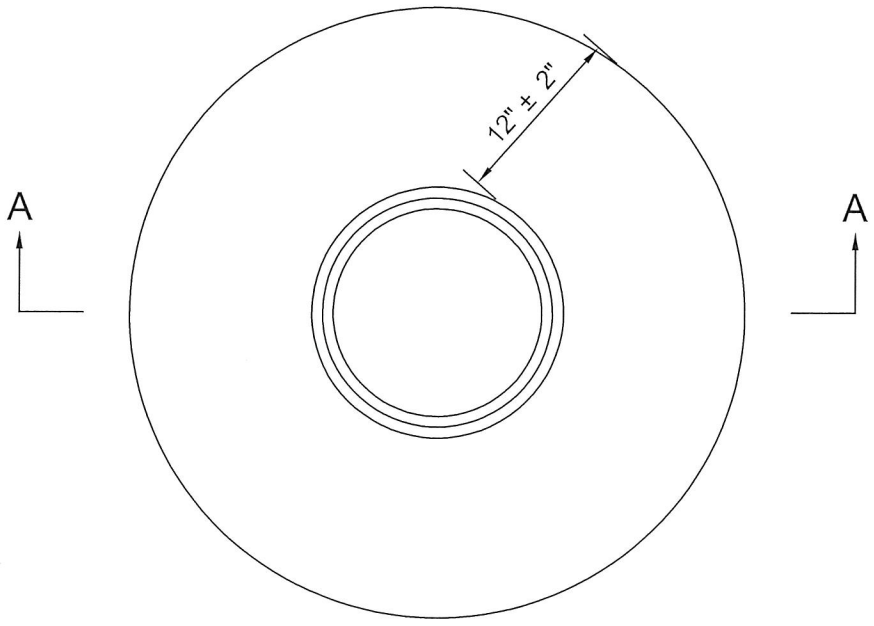
SHEET 345
DATE SEPTEMBER 2019

CONCRETE DECK

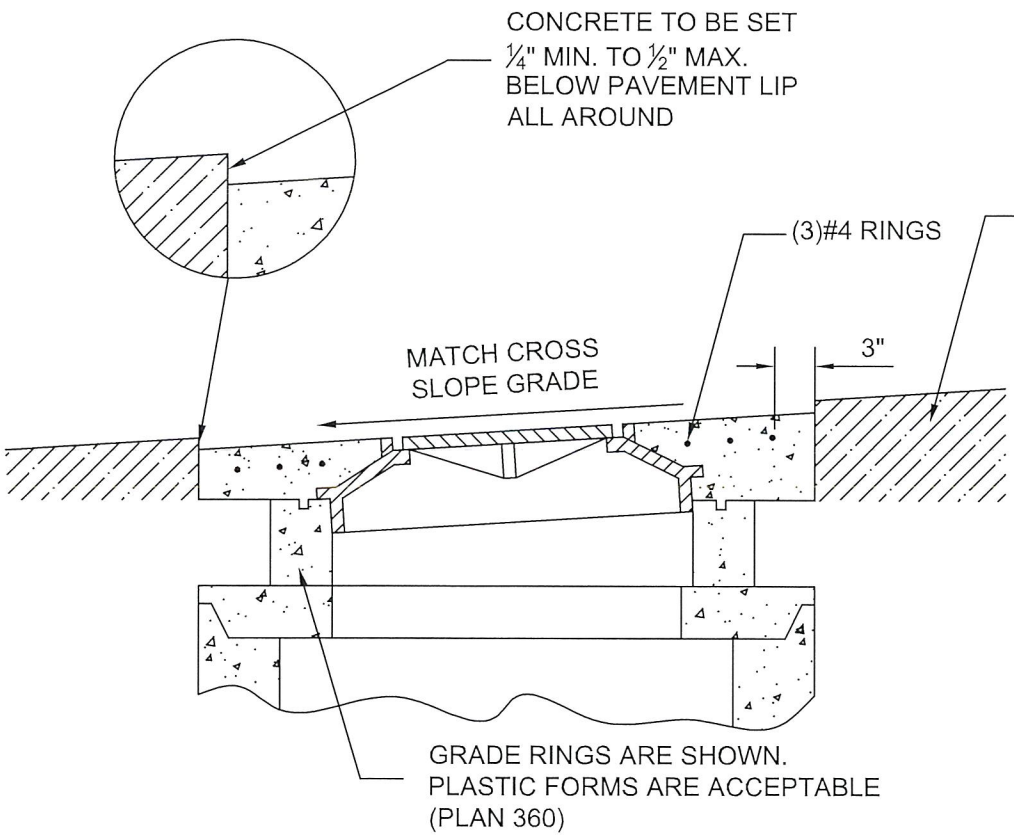
CITY OF SOUTH SALT LAKE
STANDARD DRAWINGS

SOUTH SALT LAKE
ENGINEERING DEPARTMENT
220 E MORRIS AVENUE

DRAWN BY LINGXUAN LI
CHECKED BY
SCALE



PLAN
(ROUND FRAME)



SECTION A-A

Notes:

1. Notes for APWA Standard Plan 362 shall apply to this drawing.

Cover collar for storm drains

This drawing replaces
APWA Plan 362
August 2018

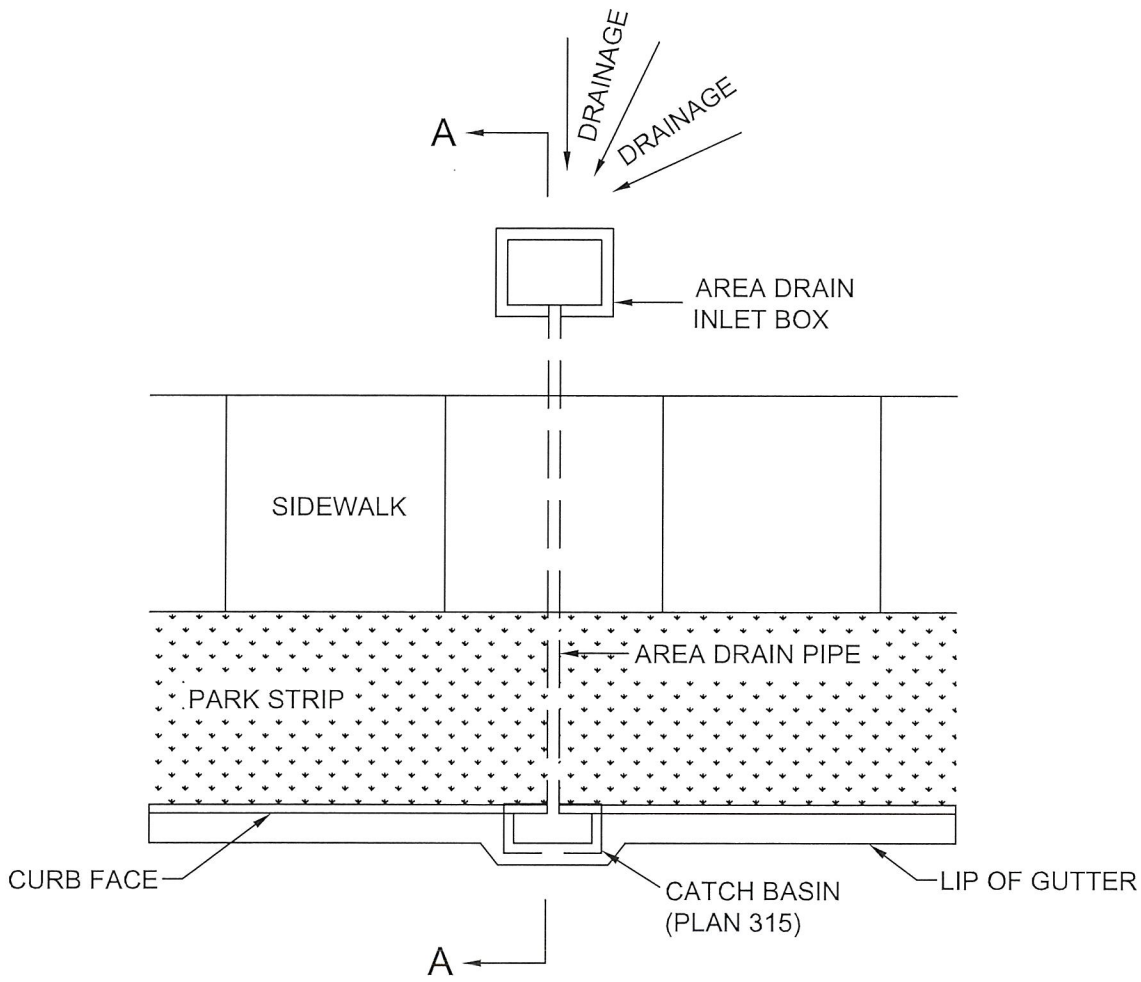
SHEET 362
DATE SEPTEMBER 2019

COVER COLLAR FOR STORM DRAINS

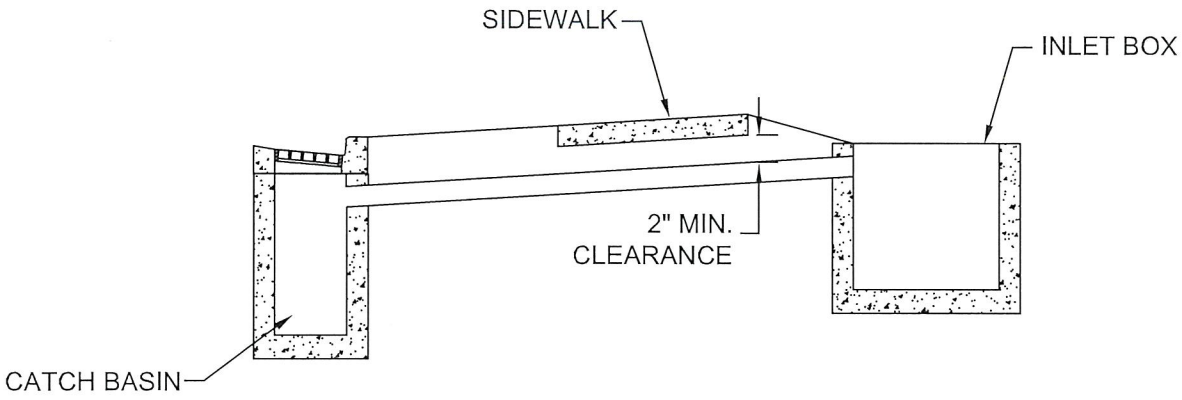
CITY OF SOUTH SALT LAKE
STANDARD DRAWINGS

SOUTH SALT LAKE
ENGINEERING DEPARTMENT
220 E MORRIS AVENUE

DRAWN BY LINGKUN LI
CHECKED BY
SCALE



PLAN
(ROUND FRAME)



SECTION A-A

Notes:
1. Notes for APWA Standard Plan 372 shall apply to this drawing.

Area drain

This drawing replaces
APWA Plan 372
August 2018

SHEET 372
DATE SEPTEMBER 2019

AREA DRAIN

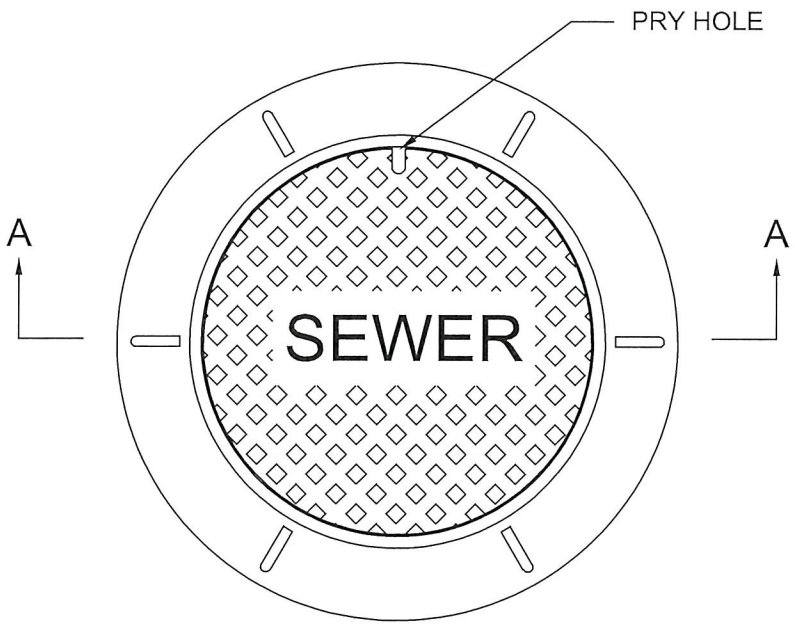
CITY OF SOUTH SALT LAKE
STANDARD DRAWINGS

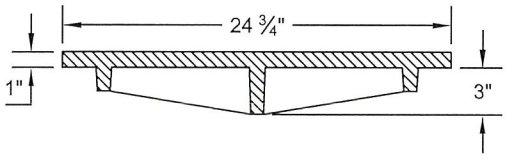
SOUTH SALT LAKE
ENGINEERING DEPARTMENT
220 E MORRIS AVENUE

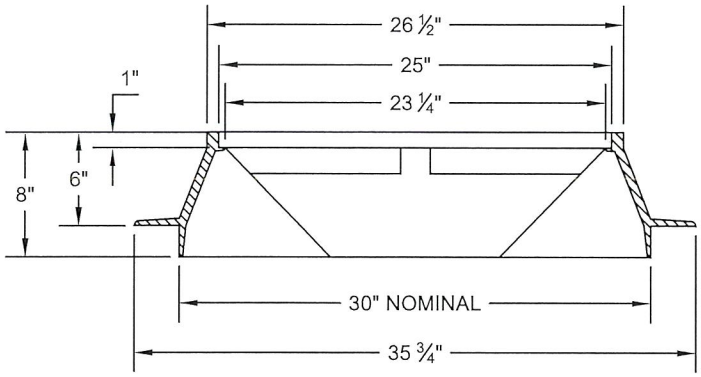
DRAWN BY LINGKUN LI
CHECKED BY
SCALE

PART 4

SANITARY SEWER







SECTION A-A

Notes:

1. Notes for APWA Standard Plan 402 shall apply to this drawing.

30" Frame and cover

This drawing replaces
APWA Plan 402
August 2018

SHEET 402
DATE SEPTEMBER 2019

30" FRAME AND COVER

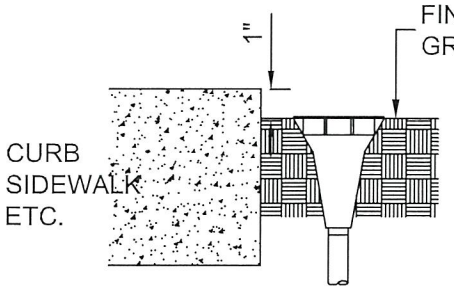
CITY OF SOUTH SALT LAKE
STANDARD DRAWINGS

SOUTH SALT LAKE ENGINEERING DEPARTMENT
220 E MORRIS AVENUE

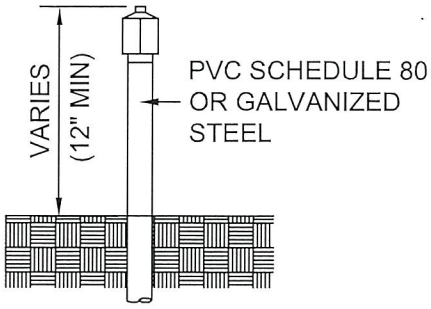
DRAWN BY LINGKUN LI
CHECKED BY
SCALE

PART 6

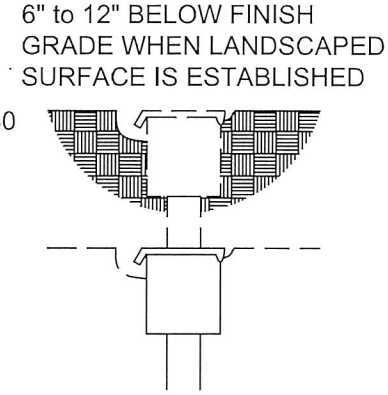
IRRIGATION AND LANDSCAPING



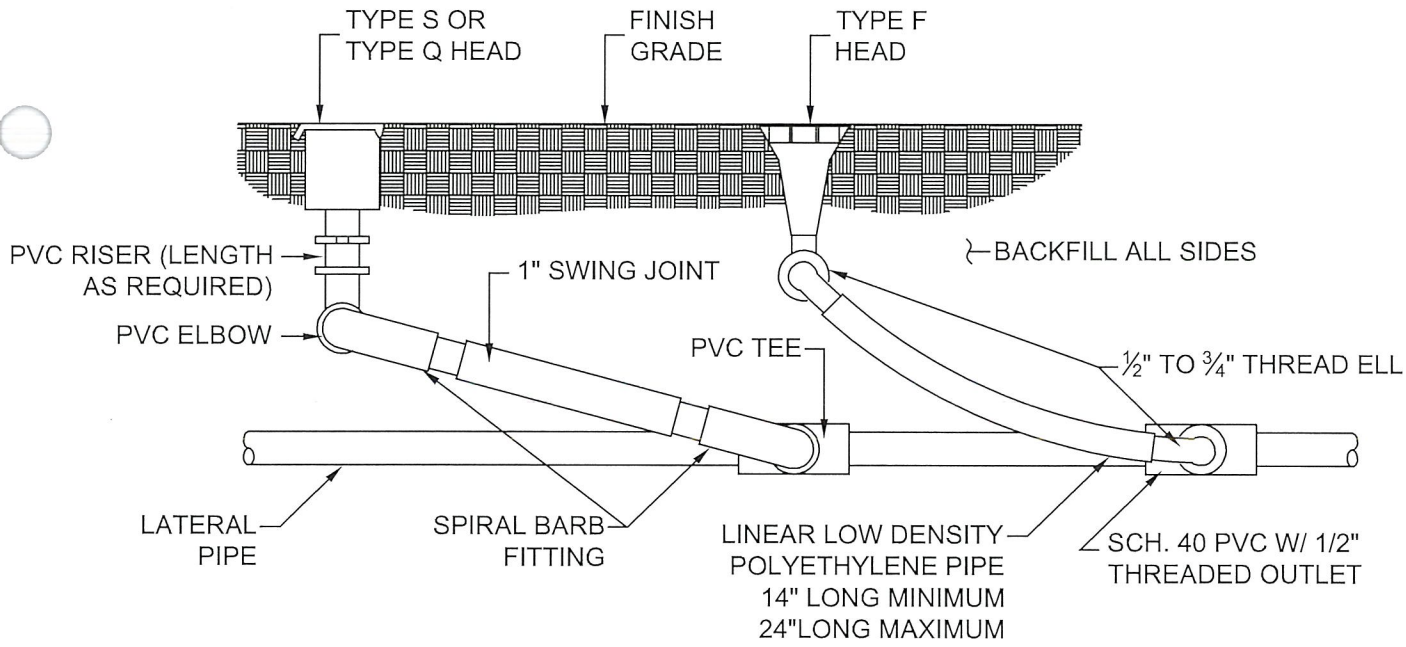
TYPE F
FLUSH HEAD



TYPE S
SHRUB HEAD



TYPE Q
QUICK COUPLER



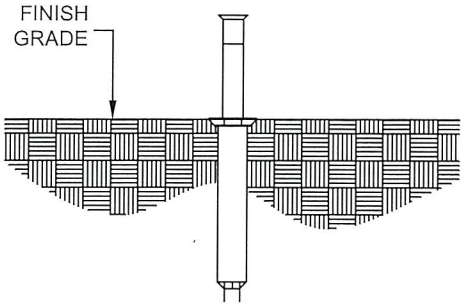
SECTION

Notes:
1. Notes for APWA Standard Plan 621 shall apply to this drawing.

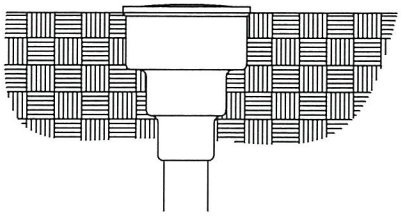
Stationary head

This drawing replaces
APWA Plan 621
September 2018

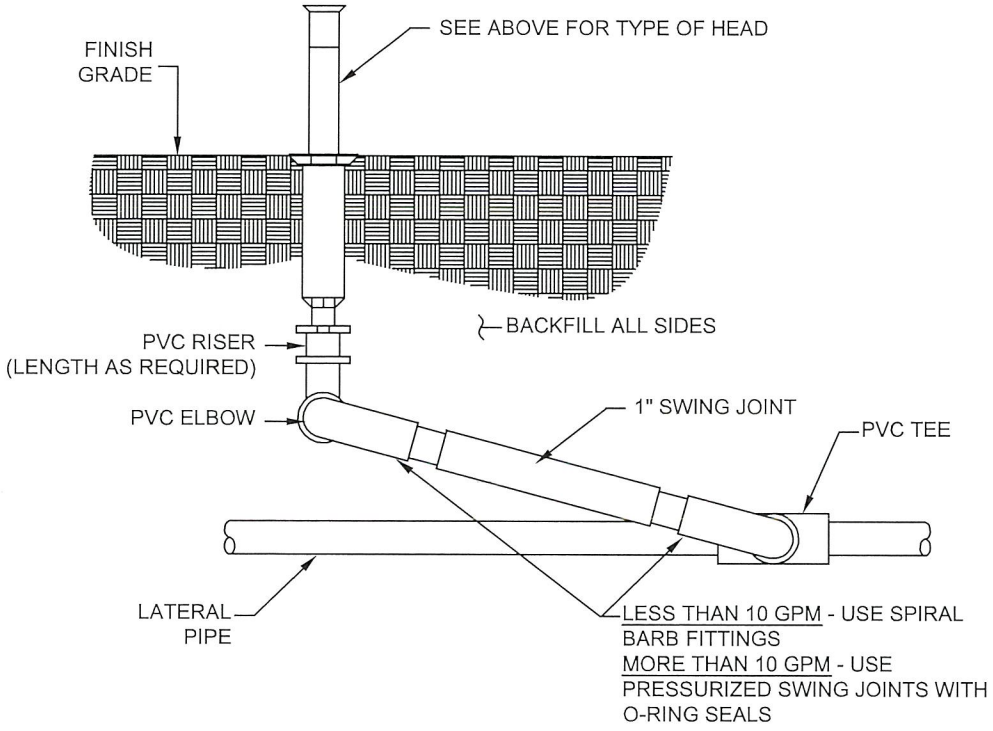
SHEET 621
DATE SEPTEMBER 2019
STATIONARY HEAD
CITY OF SOUTH SALT LAKE
STANDARD DRAWINGS
SOUTH SALT LAKE
ENGINEERING
DEPARTMENT
220 E MORRIS AVENUE
LINGKUN LI
DRAWN BY
CHECKED BY
SCALE



TYPE N
NOZZLE HEAD



TYPE R
ROTOR HEAD



SECTION

Notes:

1. Notes for APWA Standard Plan 622 shall apply to this drawing.

Pop-up head

This drawing replaces
APWA Plan 622
September 2018

SHEET 622
DATE SEPTEMBER 2019

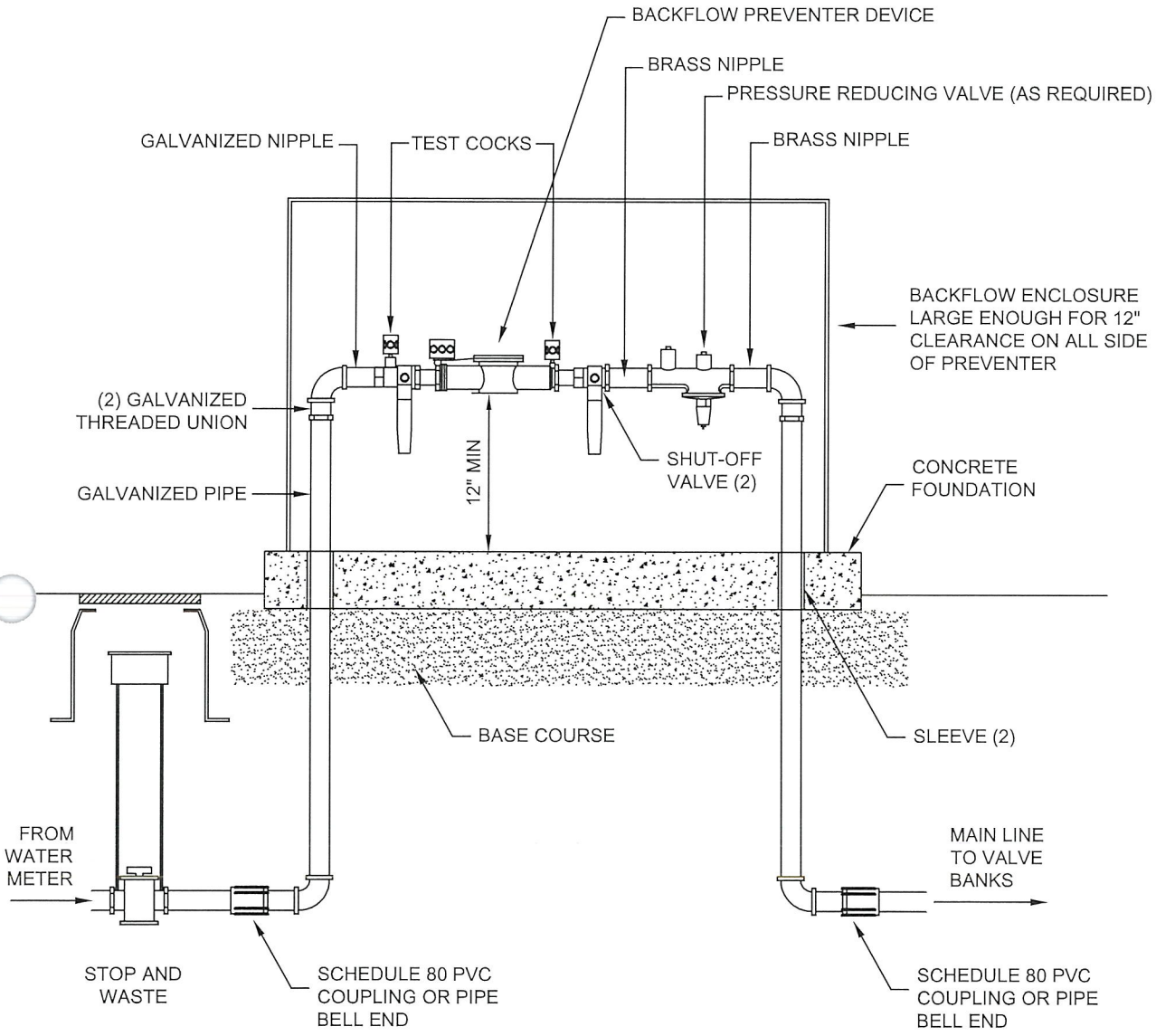
POP-UP HEAD

CITY OF SOUTH SALT LAKE
STANDARD DRAWINGS

SOUTH SALT LAKE ENGINEERING DEPARTMENT
220 E MORRIS AVENUE

DRAWN BY LINGKUN LI
CHECKED BY
SCALE

LESS THAN 3" DIAMETER



Notes:

1. Notes for APWA Standard Plan 631.1 shall apply to this drawing.

Backflow preventer

This drawing replaces
APWA Plan 631.1
September 2018

SHEET 631.1
DATE SEPTEMBER 2018

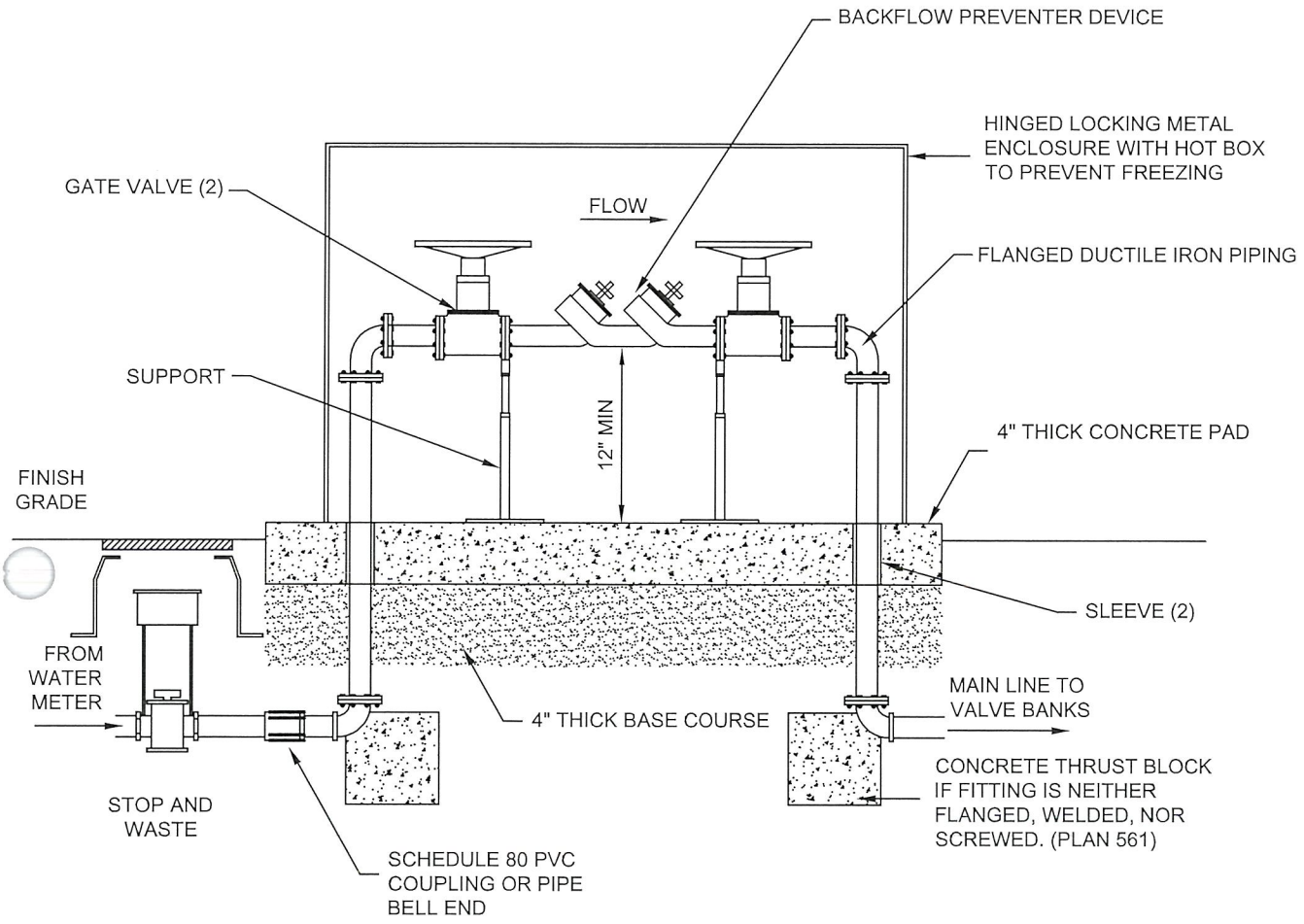
BACKFLOW PREVENTER

CITY OF SOUTH SALT LAKE
STANDARD DRAWINGS

SOUTH SALT LAKE ENGINEERING DEPARTMENT
220 E MORRIS AVENUE

DRAWN BY LINGKUN LI
CHECKED BY
SCALE

3" AND LARGER



Notes:

1. Notes for APWA Standard Plan 631.2 shall apply to this drawing.

Backflow preventer

This drawing replaces
APWA Plan 631.2
September 2018

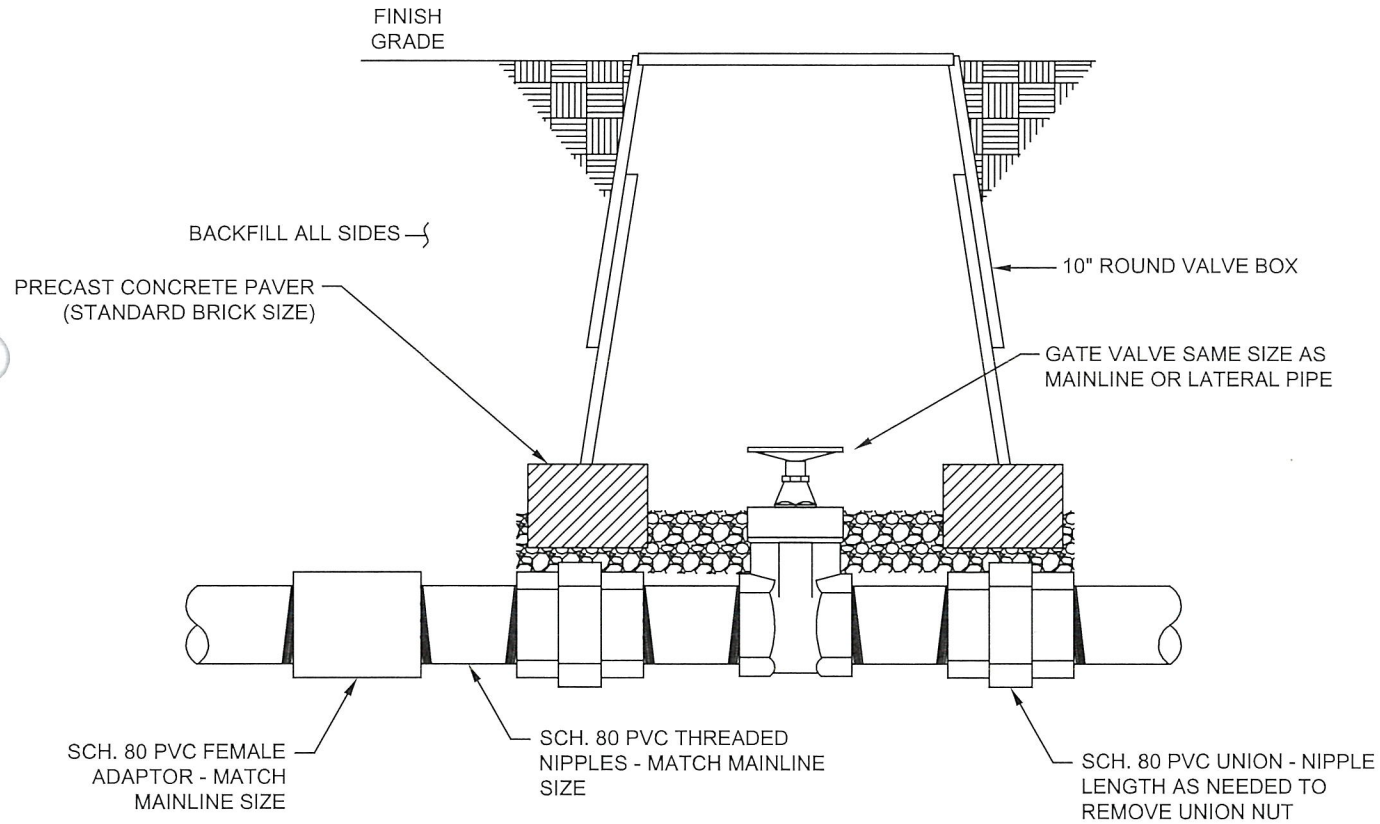
SHEET 631.2
DATE SEPTEMBER 2019

BACKFLOW PREVENTER

CITY OF SOUTH SALT LAKE
STANDARD DRAWINGS

SOUTH SALT LAKE
ENGINEERING DEPARTMENT
220 E MORRIS AVENUE

DRAWN BY LINGKUN LI
CHECKED BY
SCALE



Notes:

1. Notes for APWA Standard Plan 635 shall apply to this drawing.

Isolation valve

This drawing replaces
APWA Plan 635
September 2018

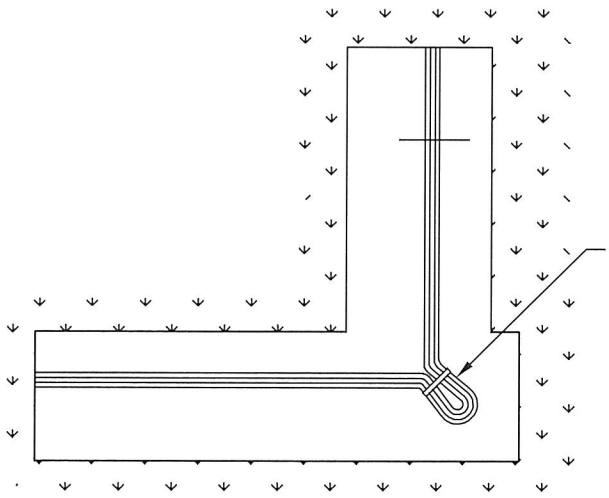
SHEET 635
DATE SEPTEMBER 2018

ISOLATION VALVE

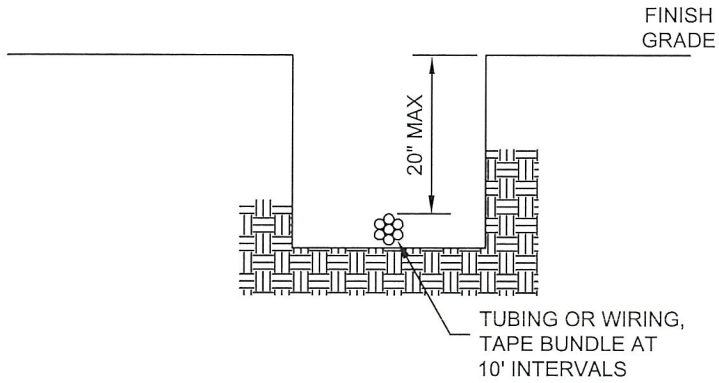
CITY OF SOUTH SALT LAKE
STANDARD DRAWINGS

SOUTH SALT LAKE ENGINEERING DEPARTMENT
220 E MORRIS AVENUE

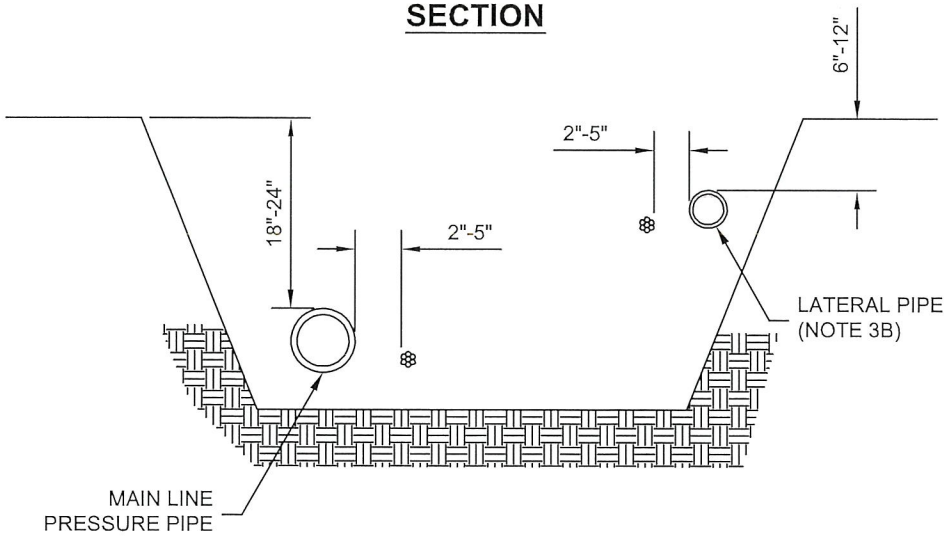
DRAWN BY LINGKUN LI
CHECKED BY
SCALE



PLAN



SECTION



SECTION

Notes:

1. Notes for APWA Standard Plan 651 shall apply to this drawing.

Wire runs for landscape irrigation

This drawing replaces
APWA Plan 651
September 2018

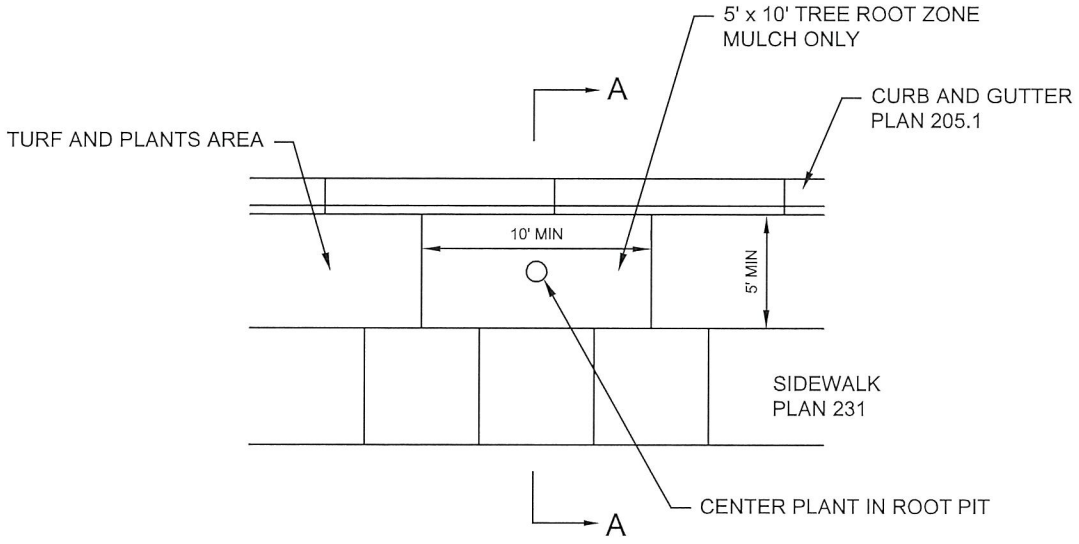
SHEET 651
DATE SEPTEMBER 2018

WIRE RUNS FOR LANDSCAPE IRRIGATION

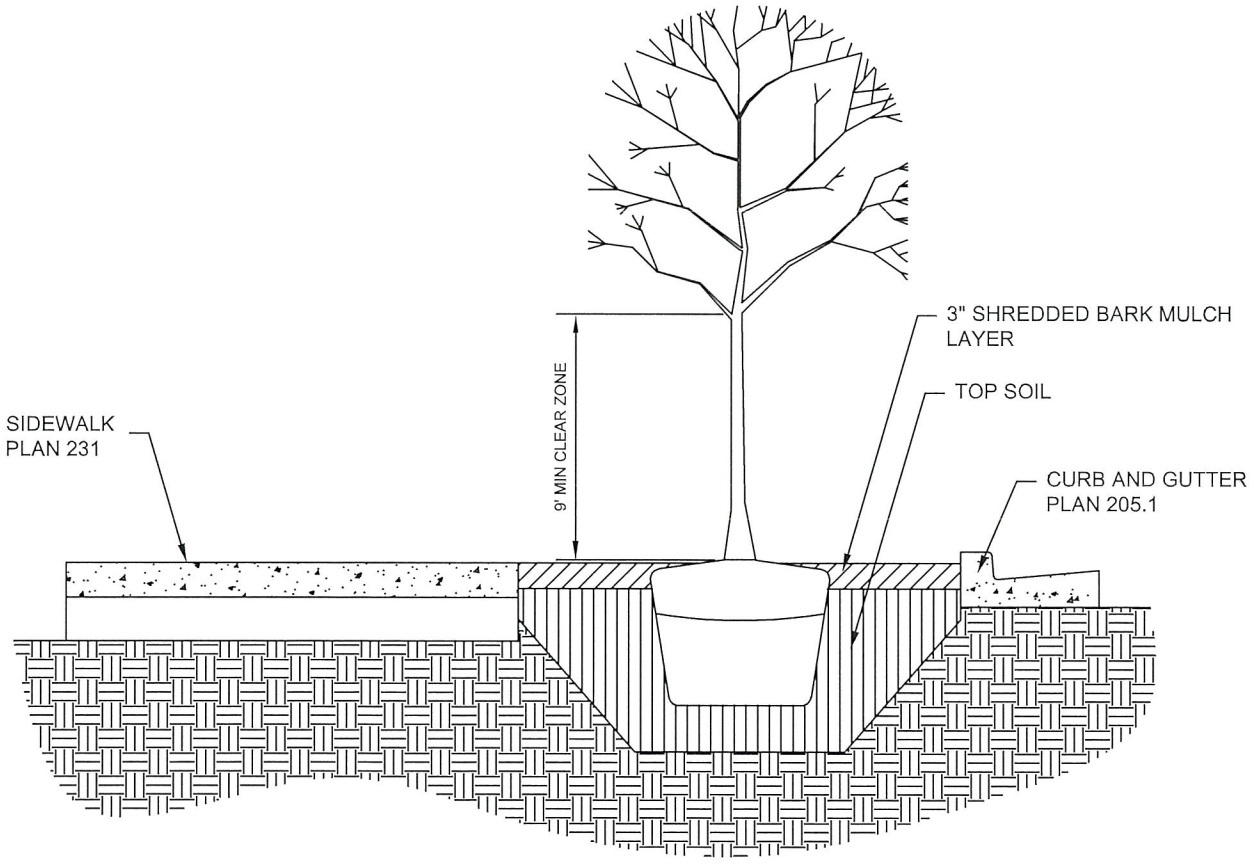
CITY OF SOUTH SALT LAKE
STANDARD DRAWINGS

SOUTH SALT LAKE ENGINEERING DEPARTMENT
220 E MORRIS AVENUE

DRAWN BY LINGKUN LI
CHECKED BY
SCALE



PLAN



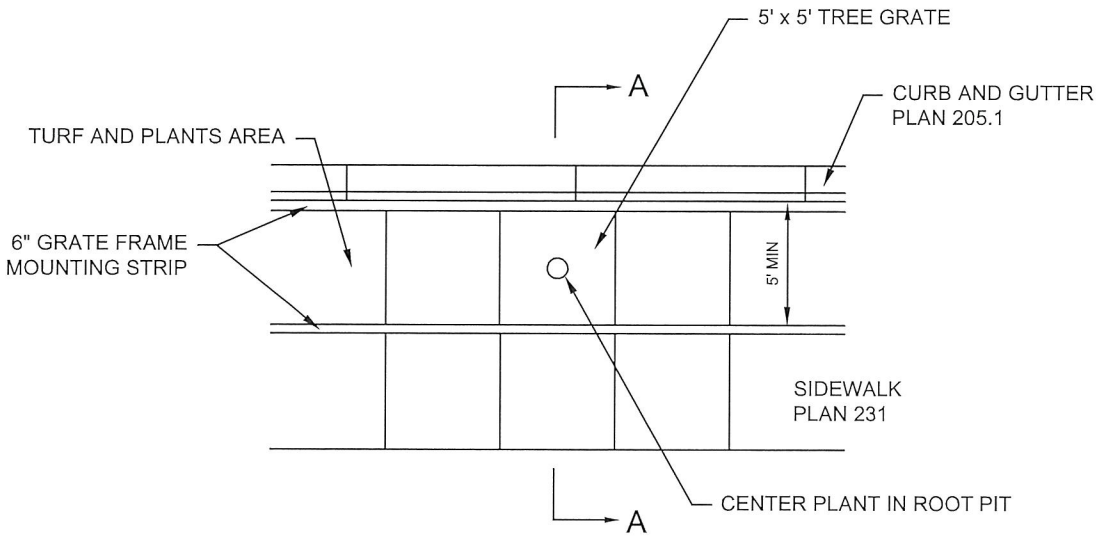
SECTION A-A

Notes:

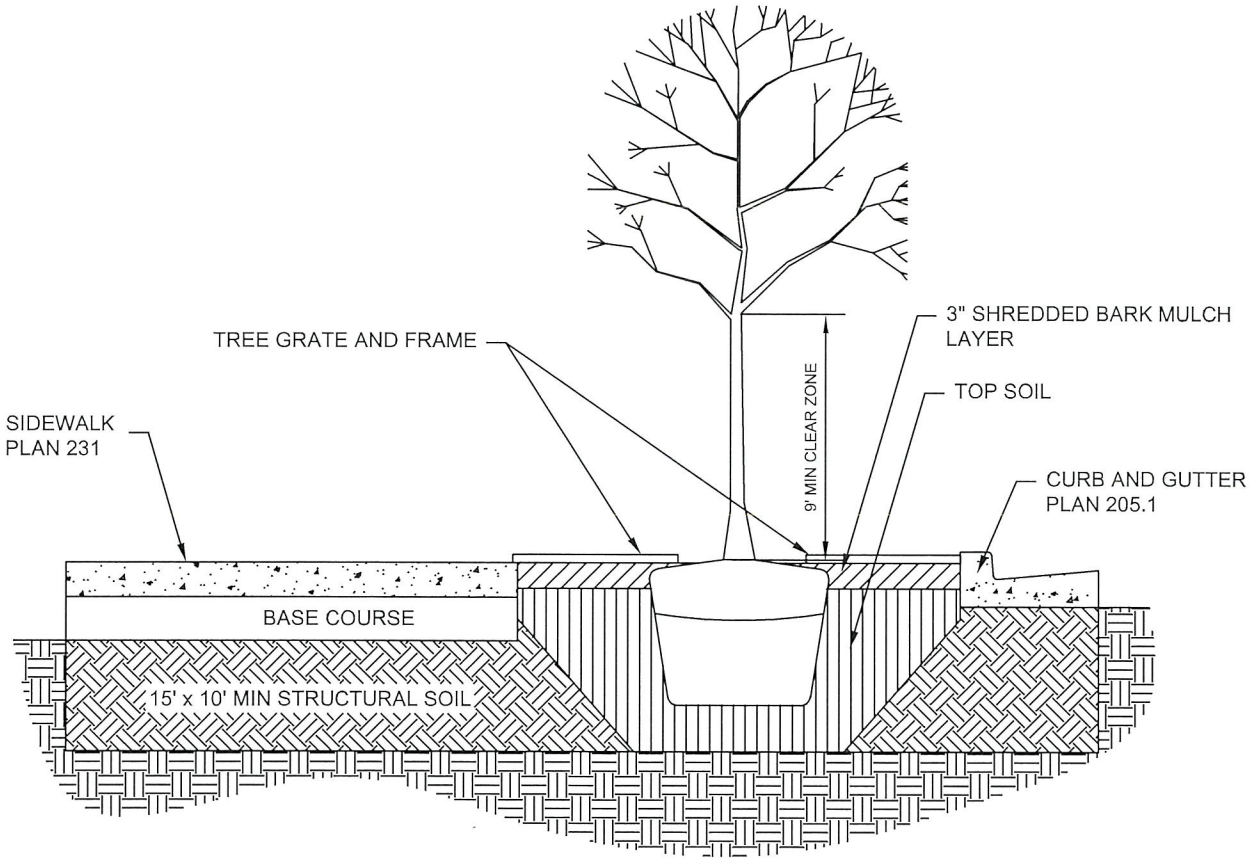
1. Notes for APWA Standard Plan 681 shall apply to this drawing.

Tree in park strip

SHEET 681.1
DATE JANUARY 2019
TREE IN PARK STRIP
CITY OF SOUTH SALT LAKE
STANDARD DRAWINGS
SOUTH SALT LAKE ENGINEERING DEPARTMENT
220 E MORRIS AVENUE
DRAWN BY LINGKUN LI
CHECKED BY
SCALE



PLAN



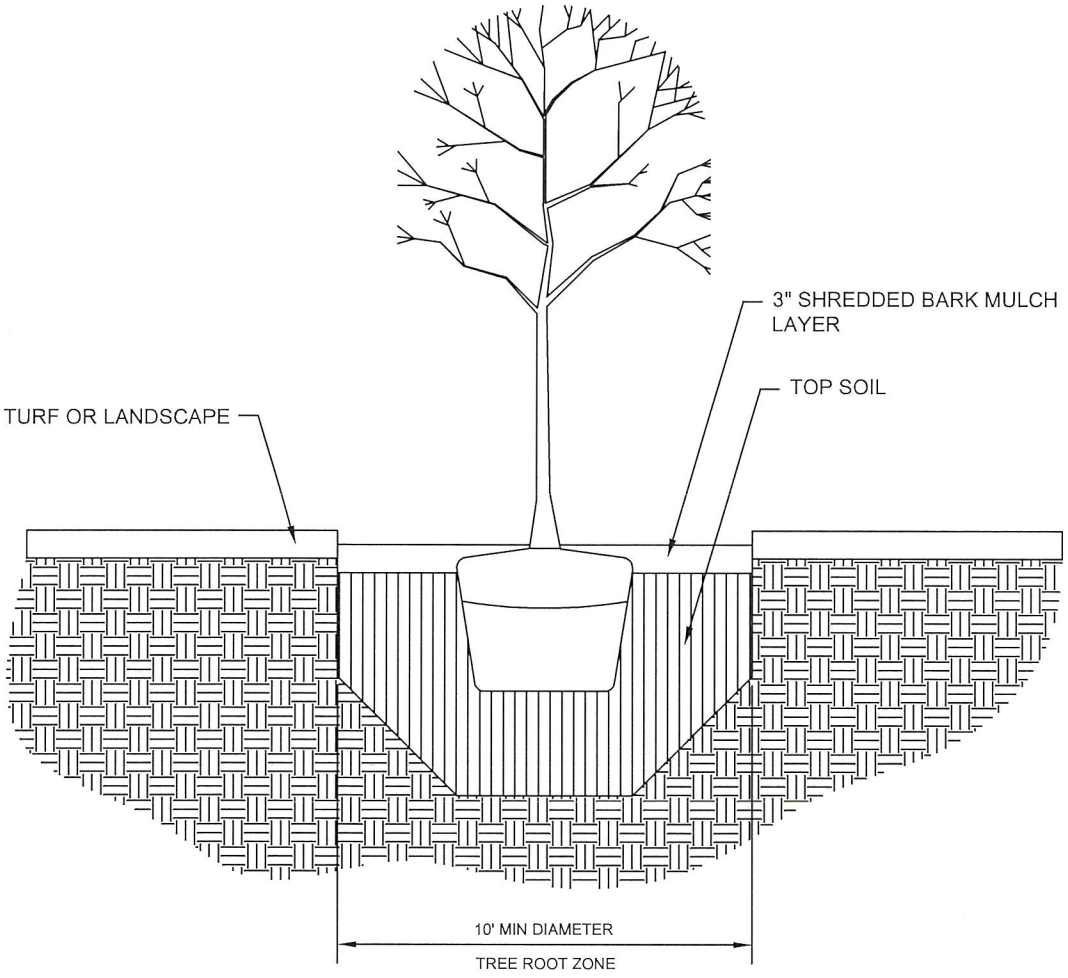
SECTION A-A

Notes:

1. Notes for APWA Standard Plan 681 shall apply to this drawing.

Tree in planter

SHEET 681.2
DATE
TREE IN PLANTER
CITY OF SOUTH SALT LAKE
STANDARD DRAWINGS
SOUTH SALT LAKE ENGINEERING DEPARTMENT
220 E MORRIS AVENUE
DRAWN BY LINGKUN LI
CHECKED BY
SCALE



Notes:

1. Notes for APWA Standard Plan 681 shall apply to this drawing.

Tree in landscape

SHEET 681.3

DATE

TREE IN LANDSCAPE

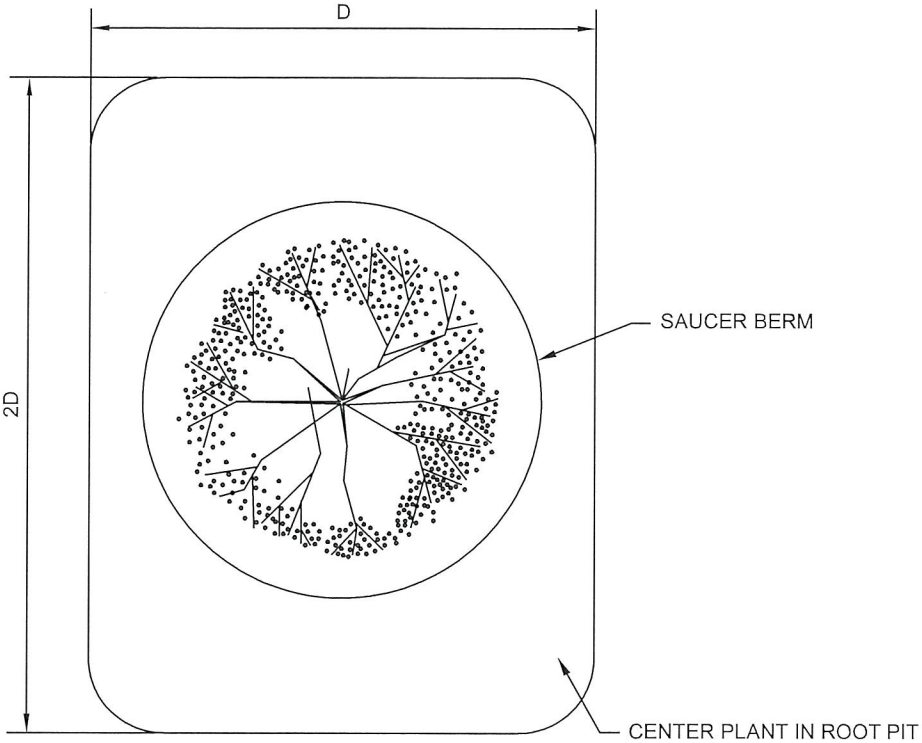
CITY OF SOUTH SALT LAKE
STANDARD DRAWINGS

SOUTH SALT LAKE
ENGINEERING DEPARTMENT
220 E MORRIS AVENUE

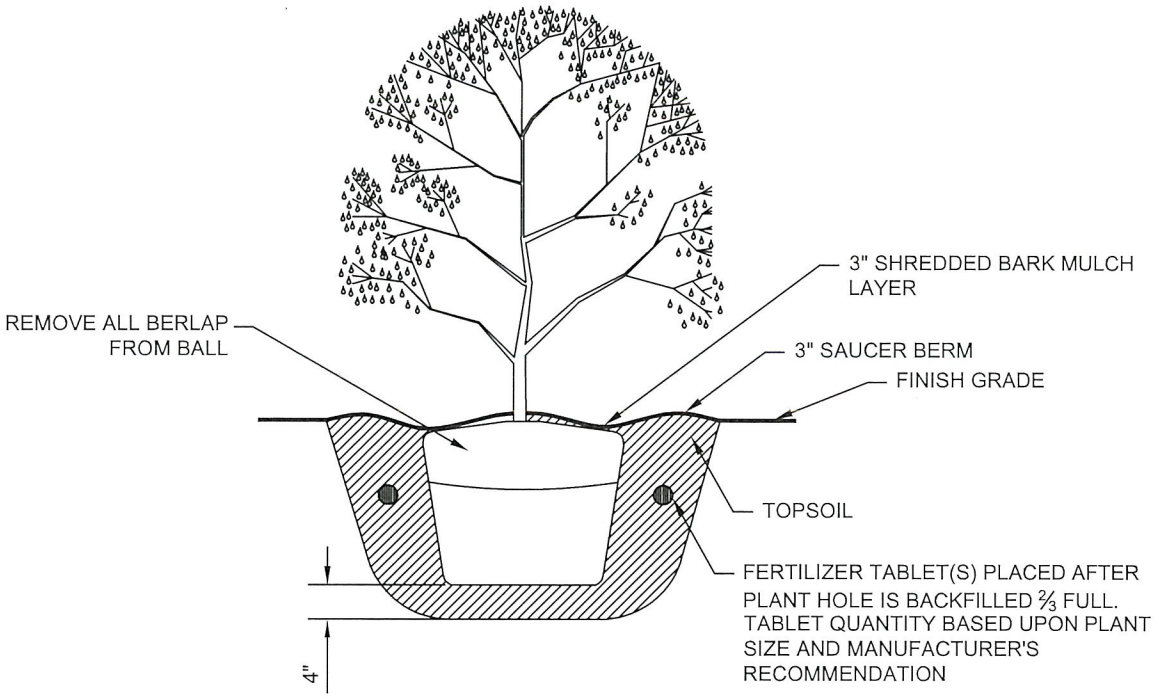
DRAWN BY LINGKUN LI

CHECKED BY

SCALE



PLAN



SECTION

Notes:

1. Notes for APWA Standard Plan 683 shall apply to this drawing.

Shrubs and bushes

This drawing replaces
APWA Plan 683
September 2018

SHEET 683
DATE SEPTEMBER 2019

SHRUBS AND BUSHES

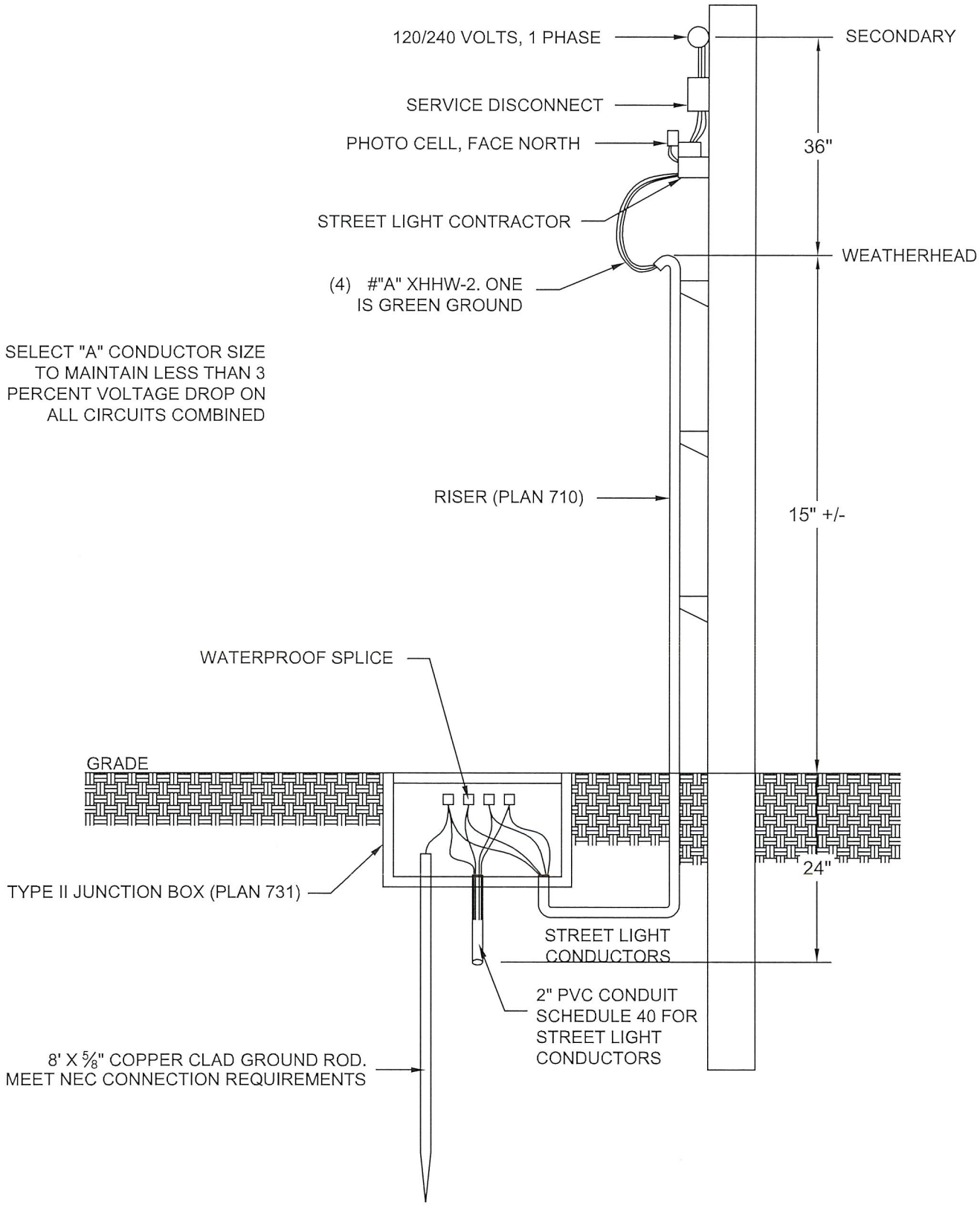
CITY OF SOUTH SALT LAKE
STANDARD DRAWINGS

SOUTH SALT LAKE ENGINEERING DEPARTMENT
220 E MORRIS AVENUE

DRAWN BY LINGKUN LI
CHECKED BY
SCALE

PART 7

LIGHTING, TRAFFIC CONTROL



Notes:

1. Notes for APWA Standard Plan 736 shall apply to this drawing.

Street light pole terminal

This drawing replaces
APWA Plan 736
March 2020

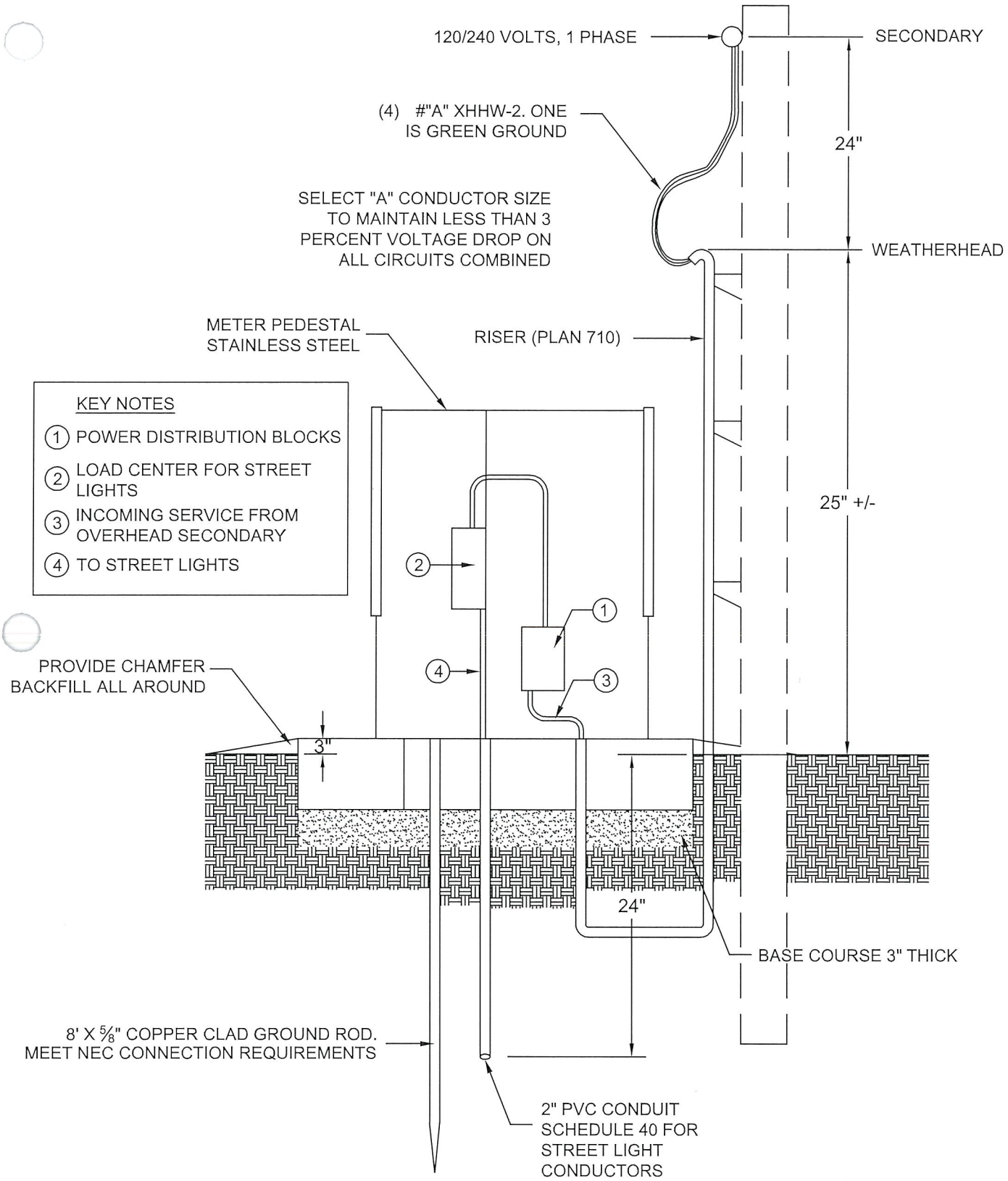
SHEET 736
DATE MARCH 2020

STREET LIGHT POLE TERMINAL

CITY OF SOUTH SALT LAKE
STANDARD DRAWINGS

SOUTH SALT LAKE ENGINEERING DEPARTMENT
220 E MORRIS AVENUE

DRAWN BY LINGKUN LI
CHECKED BY
SCALE



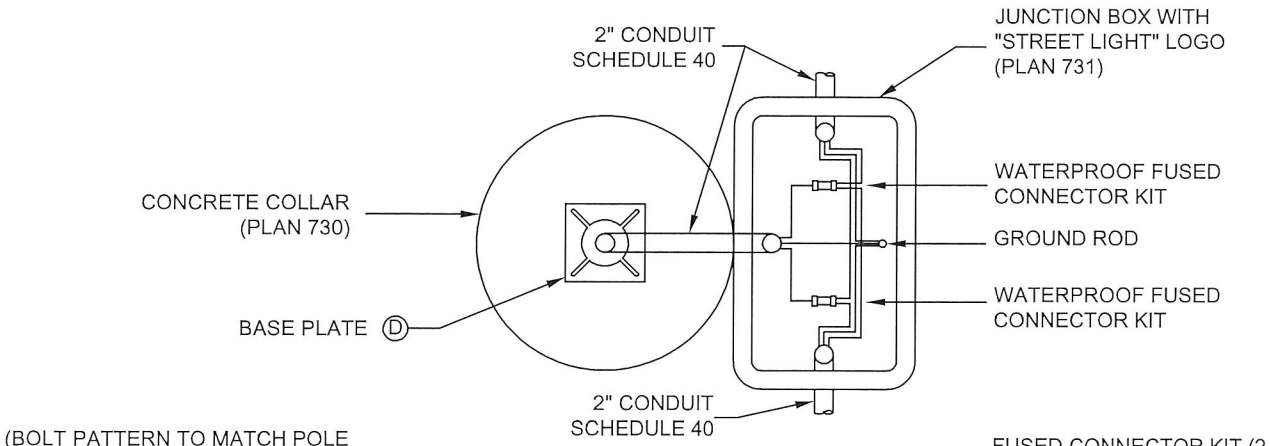
Notes:

1. Notes for APWA Standard Plan 737 shall apply to this drawing.

Street light meter pedestal

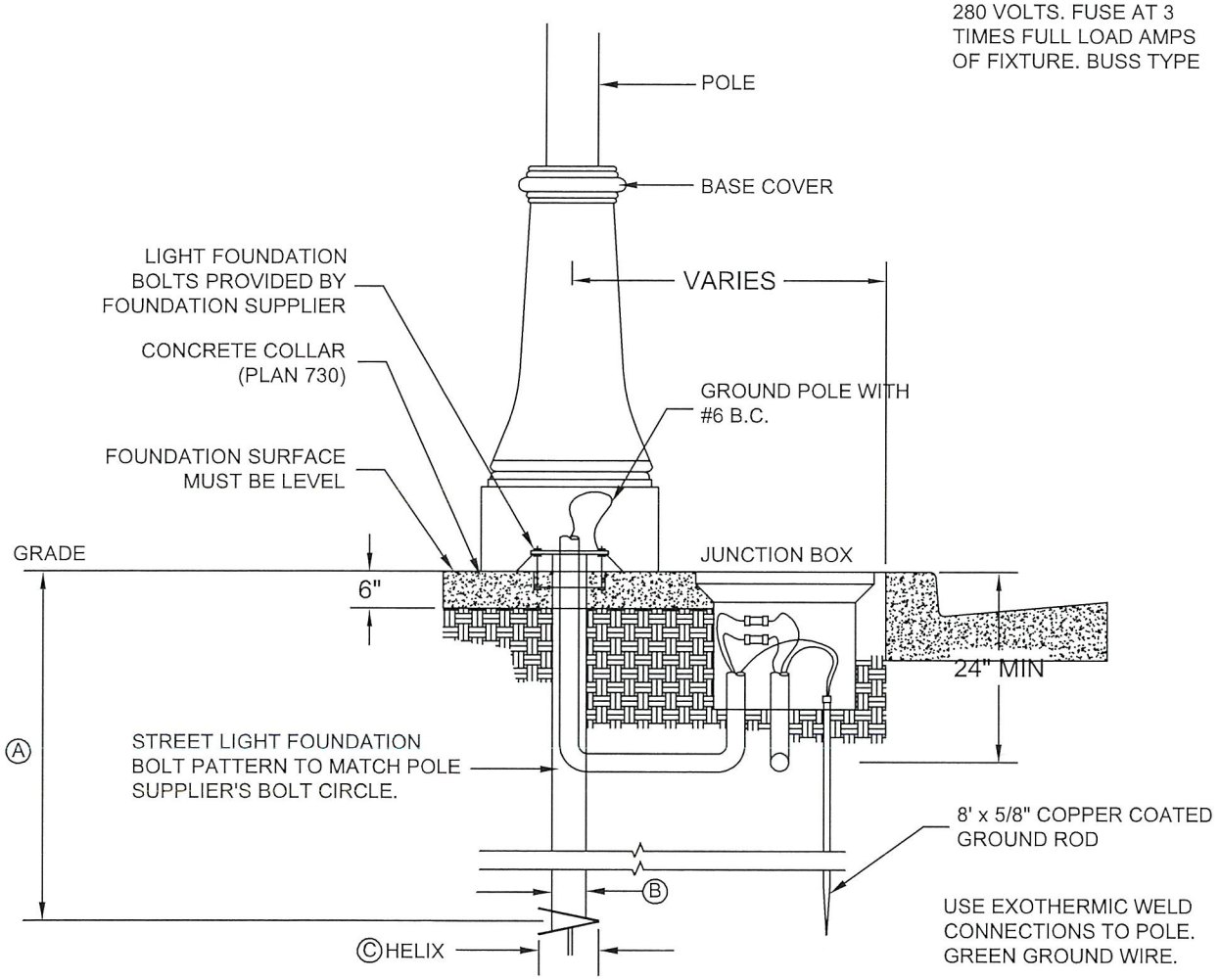
This drawing replaces
APWA Plan 737
March 2020

SHEET 737
DATE MARCH 2020
STREET LIGHT METER PEDESTAL
CITY OF SOUTH SALT LAKE STANDARD DRAWINGS
SOUTH SALT LAKE ENGINEERING DEPARTMENT
220 E MORRIS AVENUE
DRAWN BY LINGKUN LI
CHECKED BY
SCALE



PLAN

FUSED CONNECTOR KIT (2 EACH FOR 208, 240 , OR 280 VOLTS. FUSE AT 3 TIMES FULL LOAD AMPS OF FIXTURE. BUSS TYPE



POLE SIZE	LENGTH Ⓐ	SHAFT Ⓑ	HELIX Ⓒ	PLATE Ⓓ
8' - 15'	60"	6.6"	12"	3/4' x 12" SQ
16' - 20 '	60"	6.6"	12"	1' x 15 3/4" SQ
21' - 30'	84"	6.6"	14"	1' x 15 3/4" SQ

ELEVATION

Notes:

1. Notes for APWA Standard Plan 741 shall apply to this drawing.

Screw-in base street light pole

This drawing replaces
APWA Plan 741
May 2020

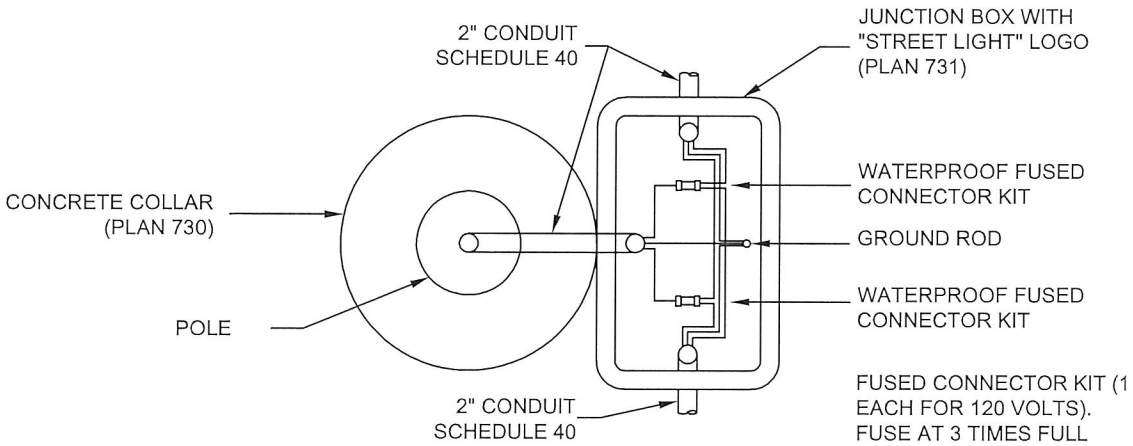
SHEET 741
DATE MAY 2020

SCREW-IN BASE STREET LIGHT POLE

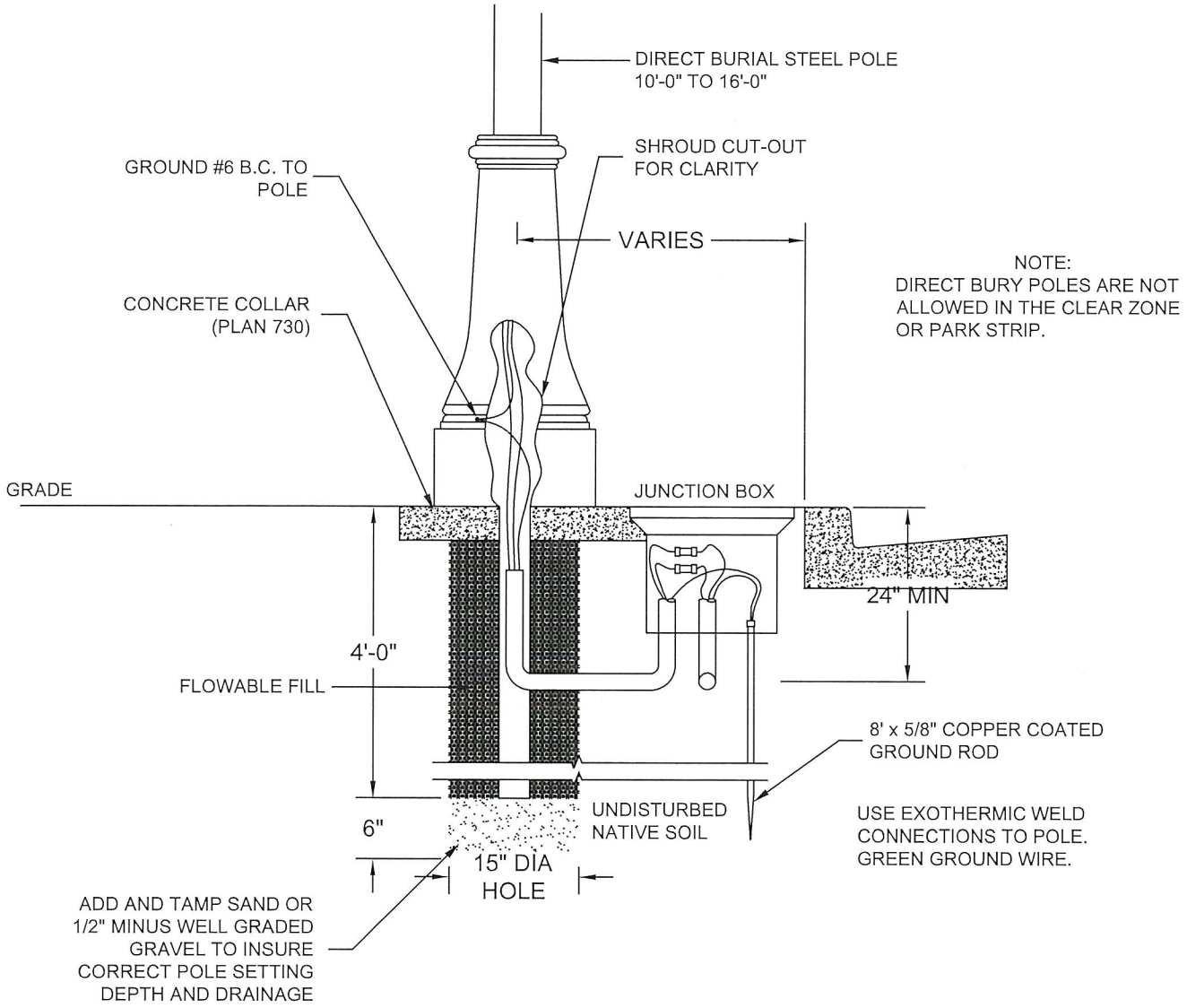
CITY OF SOUTH SALT LAKE
STANDARD DRAWINGS

SOUTH SALT LAKE ENGINEERING DEPARTMENT
220 E MORRIS AVENUE

DRAWN BY LINGKUN LI
CHECKED BY
SCALE



PLAN



ELEVATION

Notes:

1. Notes for APWA Standard Plan 742 shall apply to this drawing.

Direct burial street light pole

This drawing replaces
APWA Plan 742
May 2020

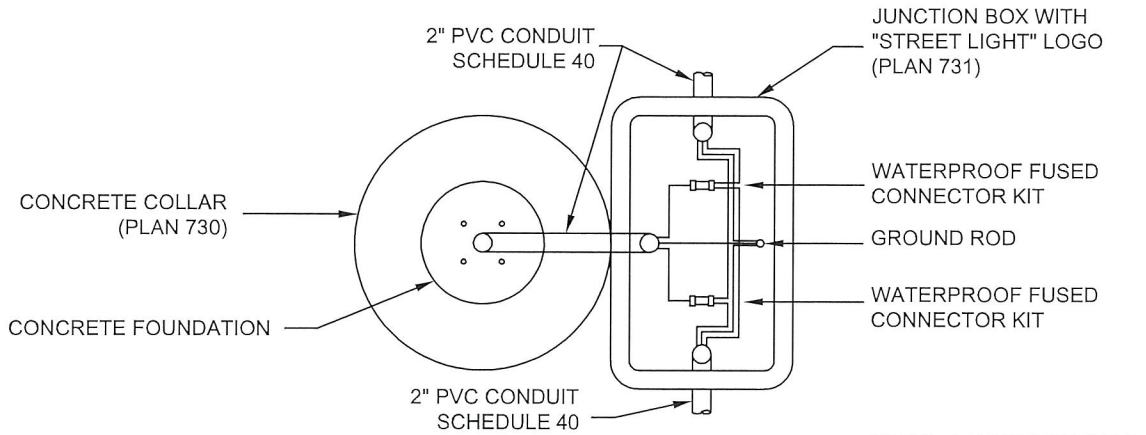
SHEET 742
DATE MAY 2020

DIRECT BURIAL STREET LIGHT POLE

CITY OF SOUTH SALT LAKE
STANDARD DRAWINGS

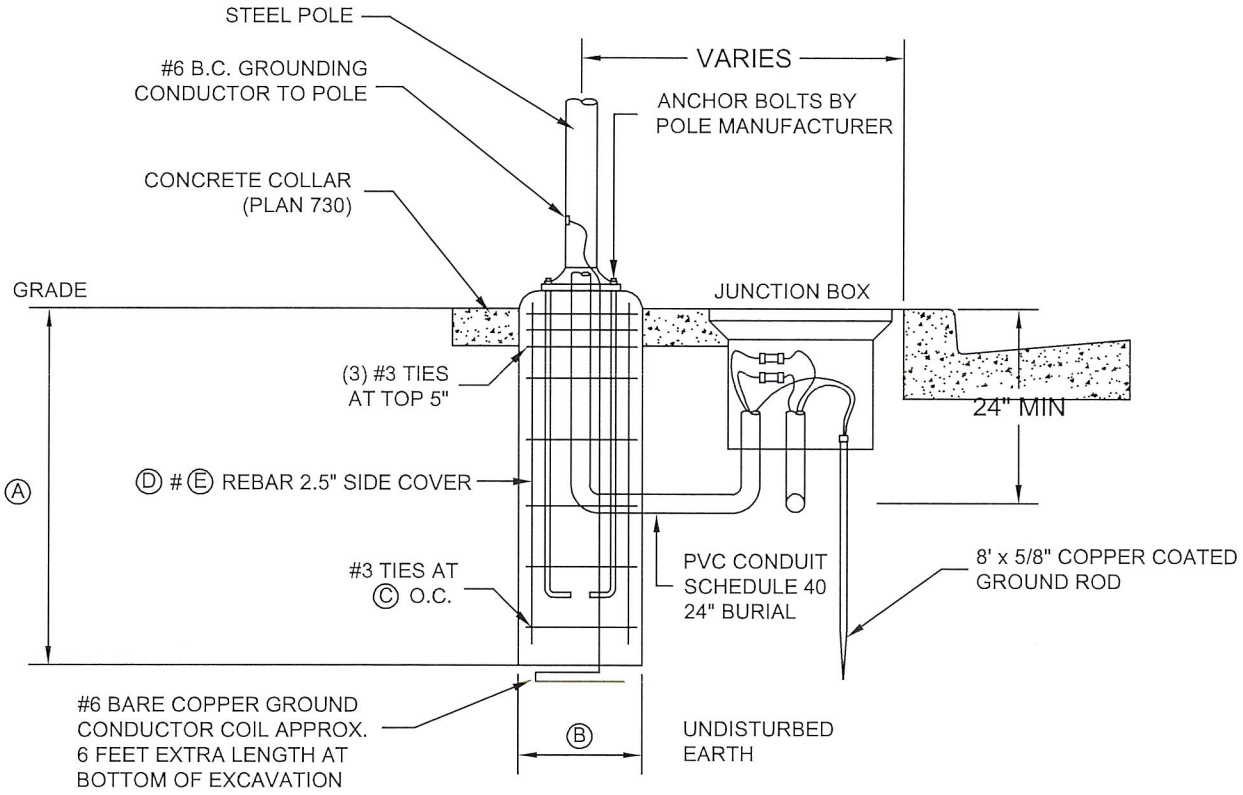
SOUTH SALT LAKE
ENGINEERING DEPARTMENT
220 E MORRIS AVENUE

DRAWN BY LINGKUN LI
CHECKED BY
SCALE



PLAN

FUSED CONNECTOR KIT (2 EACH FOR 208, 240 , OR 280 VOLTS. FUSE AT 3 TIMES FULL LOAD AMPS OF FIXTURE. BUSS TYPE



POLE SIZE	DEPTH Ⓐ	DIAMETER Ⓑ	SPACING Ⓒ	VERTICAL Ⓓ	REBAR SIZE Ⓔ
10' - 15'	4'-0"	18"	12"	8	6
16' - 25'	6'-0"	24"	12"	8	6
26' - 50'	9'-0"	30"	12"	8	6

ELEVATION

Notes:

1. Notes for APWA Standard Plan 743 shall apply to this drawing.

Concrete base for street light pole

This drawing replaces
APWA Plan 743
May 2020

SHEET 743
DATE MAY 2020

CONCRETE BASE FOR STREET LIGHT POLE.

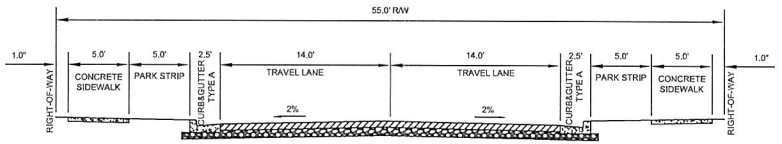
CITY OF SOUTH SALT LAKE
STANDARD DRAWINGS

SOUTH SALT LAKE
ENGINEERING DEPARTMENT
220 E MORRIS AVENUE

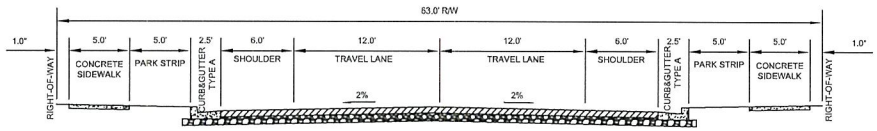
DRAWN BY LINGKUN LI
CHECKED BY
SCALE

PART 9

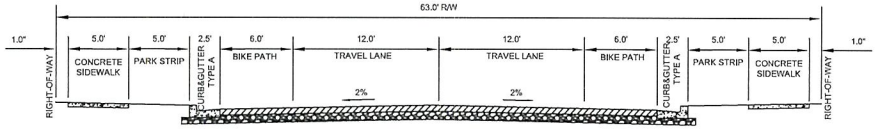
STREET



LOCAL
(RESIDENTIAL, NO ON STREET PARKING)



LOCAL
(RESIDENTIAL, ON STREET PARKING)



MINOR COLLECTOR - 2 L CONFIGURATION

NO.	AUTHORIZED BY	REVISION	MADE BY	DATE
1				
2				
3				
4				
5				
6				

DRAWN BY: LINGKUN LI
CHECKED BY:
SCALE:
DATE: SEPT. 10TH 2018

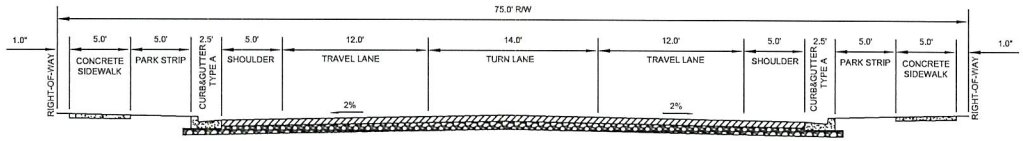
SOUTH SALT LAKE ENGINEERING DEPARTMENT
220 E MORRIS AVENUE
SOUTH SALT LAKE, UTAH 84115

CITY OF SOUTH SALT LAKE STANDARD DRAWINGS

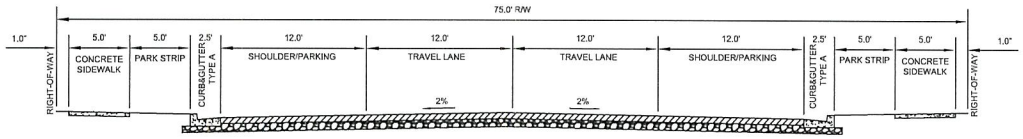
55 FT AND 63 FT RIGHT-OF-WAY STREET SECTIONS

SHEET 901.1

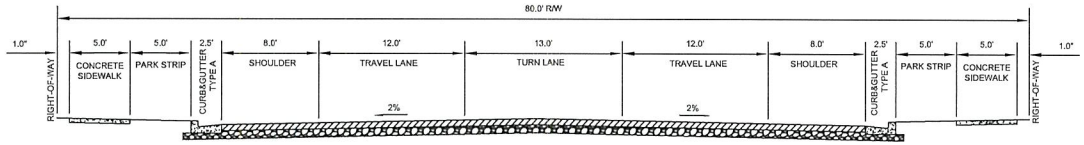
DATE SEPTEMBER, 2018



MAJOR COLLECTOR - 3 L CONFIGURATION



MINOR ARTERIAL - 2 L
(COMMERCIAL / RESIDENTIAL / INDUSTRIAL)



MINOR ARTERIAL - 3 L
(COMMERCIAL / RESIDENTIAL / INDUSTRIAL)

NO.	AUTHORIZED BY	REVISION	MADE BY	DATE
1				
2				
3				
4				
5				
6				

DRAWN BY: LINGKUN LI
CHECKED BY:
SCALE:
DATE: SEPT. 10TH 2018

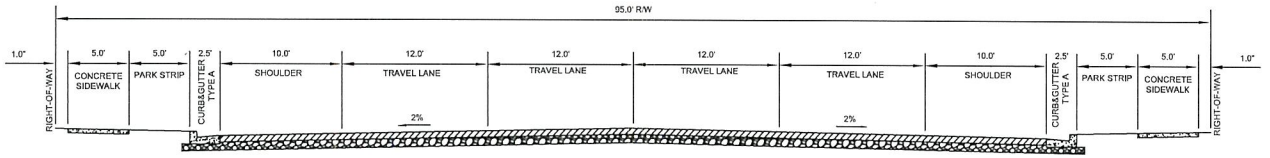
SOUTH SALT LAKE ENGINEERING DEPARTMENT
220 E MORRIS AVENUE
SOUTH SALT LAKE, UTAH 84115

CITY OF SOUTH SALT LAKE STANDARD DRAWINGS

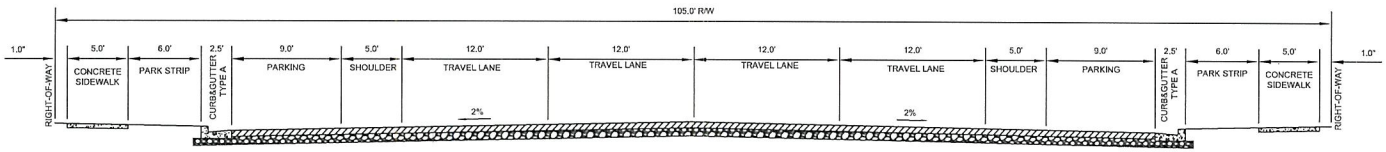
75 FT AND 80 FT RIGHT-OF-WAY STREET SECTIONS

SHEET 901.2

DATE SEPTEMBER, 2018



MINOR ARTERIAL - 4 L
(COMMERCIAL / RESIDENTIAL / INDUSTRIAL)



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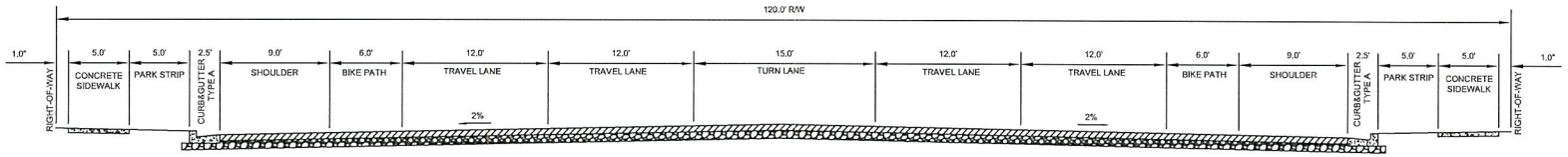
(COMMERCIAL / RESIDENTIAL)



MAJOR ARTERIAL - 5 L
(COMMERCIAL / RESIDENTIAL)

NO.	AUTHORIZED BY	REVISION	MADE BY	DATE
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5				
4				
3				
2				
1				

DRAWN BY: LINGKUN LI
CHECKED BY:
SCALE:
DATE: SEPT. 10TH 2018

SOUTH SALT LAKE ENGINEERING DEPARTMENT
220 E MORRIS AVENUE
SOUTH SALT LAKE, UTAH 84115

CITY OF SOUTH SALT LAKE
STANDARD DRAWINGS

95 FT, 105 FT, AND 120 FT
RIGHT-OF-WAY
STREET SECTIONS

SHEET
901.3

DATE
SEPTEMBER, 2018

Construction General Permit

General Permit for Storm Water Discharges from Construction Activities

https://documents.deq.utah.gov/water-quality/stormwater/construction/DWQ-2020-013890.pdf

General Storm Water Permit for Construction Activity
Connected with Single Lot Housing Projects
Utah Pollution Discharge Elimination System Permit No. UTRH00000

(Common Plan Permit)

https://documents.deq.utah.gov/water-quality/stormwater/construction/DWQ-2020-013894.pdf

SOUTH SALT LAKE PUBLIC WORKS

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Storm Water Pollution Prevention Plan

(SWPPP)

The SWPPP lays out the steps and techniques you will use to reduce pollutants in storm water runoff leaving your construction site. Therefore, proper development and implementation of your SWPPP is crucial. First and foremost, your SWPPP must be developed and implemented consistent with the requirements of the applicable NPDES storm water construction permit.

Your SWPPP is used to identify all potential pollution sources that could come into contact with storm water leaving your site. It describes the BMPs (Best Management Practices) you will use to reduce pollutants in your construction site's storm water discharges, and it includes written records of your site inspections and the follow-up maintenance that is performed.

Who needs a SWPPP?

- Land-disturbing and/or construction activity that would uncover or disturb one acre or more shall obtain a general construction storm water permit from the State of Utah Division of Water Quality. If a land disturbance is less than one acre, but is part of a common plan of development that is one or more acres, the requirements of this section will still apply.
  - ✓ Where to find permit Info; https://deq.utah.gov/water-quality/general-construction-storm-water-updes-permits

- Residential construction and/or landscaping activities disturbing more than one acre or part of a common plan of development;

Your SWPPP should contain but not limited to the following elements:

1. Cover/title page

2. Project and SWPPP contact information

3. Site and activity description, including site map

4. Potential pollutant sources

5. Description of controls to reduce pollutants

6. Maintenance/inspection procedures

7. Records of inspections and follow-up maintenance of BMPs

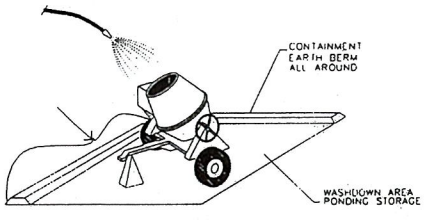
8. SWPPP amendments

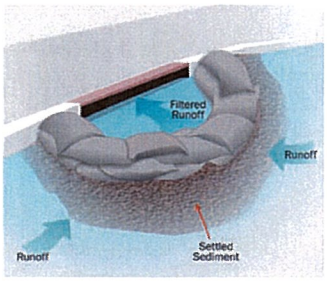
9. SWPPP certification

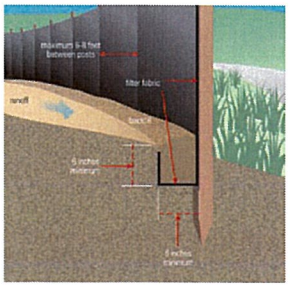
10. NOI

Need help writing a SWPPP? Go to: https://deq.utah.gov/water-quality/general-construction-storm-water-updes-permits

Operator/Contractor	*Municipal/State*
At least every 14 calendar days and including storm events (Bi-Weekly)	Monthly
And/or every 7 days without storm events (weekly)	
Within 24 hrs. of the end of storm event of >.5" (As Needed)	







A: SWPPP Template (Utah) – Instructions

DWQ has developed this Storm Water Pollution Prevention Plan (SWPPP) template for construction sites permitted under the Construction General Storm Water Permit (CGP). The template gives you a framework to ensure that your SWPPP addresses the necessary elements required by the permit. It may be helpful to use this template with EPA's guidance on *Developing Your Storm Water Pollution Prevention Plan* (SWPPP Guide). Both are available on DWQ's construction storm water website at https://deq.utah.gov/water-quality/general-construction-storm-water-updes-permits

This template covers most of the SWPPP elements that the Utah CGP requires, however, you are encouraged to customize this template to reflect unique conditions at the site or address a requirement not covered in the provided sections.

Using the SWPPP Template

Each section of this template includes instructions and space for project information. You should read the instructions for each section before you complete that section. If you require additional clarification, the instructions often reference a permit section where you can find the exact wording for the requirement as well as other resources that may be useful. For a cleaner document you may want to delete instructions when finished. This template was developed in Word so that you can easily add tables and additional text. Some sections may require only a brief description or not apply at all to your project, while others may require several pages of explanation.

Tips for completing the SWPPP template

- If there is more than one key player affecting storm water for your project, consider coordinating development of your SWPPP with the other key players.
- Make sure you inform subcontractors about limitations or special requirements if their work intersects with SWPPP requirements. You might write a section of your SWPPP specifically for a subcontractor and deliver that section to the sub-contractor before his work commences.
- Modify this SWPPP template so that it addresses the requirements in your construction general permit and meets the needs of your project. Be sure to include important aspects of the SWPPP that go beyond the boundaries of the project.
- EPA's guidance on Developing Your Storm Water Pollution Prevention Plan (SWPPP Guide) can be accessed here: https://www3.epa.gov/npdes/pubs/sw_swppp_guide.pdf

Storm Water Pollution Prevention Plan

for:

Insert Project Name
Insert Project Site Location/Address
Insert City, State, Zip Code
Insert Project Site Telephone Number (if applicable)

Operator:

Insert Company or Organization Name
Insert Name
Insert Address
Insert City, State, Zip Code
Insert Telephone Number
Insert Fax/Email

Primary SWPPP Contact

Insert Company or Organization Name
Insert Name
Insert Address
Insert City, State, Zip Code
Insert Telephone Number
Insert Fax/Email

SWPPP Preparation Date:

__/__/__

UPDES Permit Tracking Number*:

UTR_____

**This is the unique number assigned to your project after you have applied for coverage under the Utah Pollutant Discharge Elimination System (UPDES) construction general permit. If this template is filled out first, you can leave the tracking number blank until after you have applied for coverage.*

Contents

SECTION 1: CONTACT INFORMATION/ RESPONSIBLE PARTIES

Instructions (CGP 7.3.1./7.3.7.):

- Identify the staff members that are part of the project's storm water team as well as their responsibilities. The storm water team is comprised of individuals who are responsible for the development of the SWPPP, any later modifications to it, installing and maintaining storm water controls, conducting site inspections, and making corrective actions where required.
- Each member of the storm water team must have ready access to either an electronic or paper copy of the 2019 CGP and the SWPPP.
- Starting January 1, 2021: A SWPPP writer for a site greater than 5 acres, with a perennial surface water within 50 feet of the project, or with a steep slope (70% or 35 degrees or more) must hold a certification to demonstrate that they are a "qualified person" per CGP Part 7.2.
- The following personnel, at a minimum, must receive training on their responsibilities (CGP Part 7.3.7/6.1):
  - ✓ Personnel who are responsible for the design, installation, maintenance, and/or repair of storm water controls (including pollution prevention measures);
  - ✓ Personnel responsible for the application and storage of treatment chemicals;
  - ✓ Personnel who are responsible for conducting inspections (must hold a certification) as required in Part 4.1.; and
  - ✓ Personnel who are responsible for taking corrective actions as required in Part 5.
- A sample training log is provided in Appendix F. Certifications can also be recorded in this appendix.
- For more on training, see *SWPPP Guide*, Chapter 8.

1.1 Storm Water Team

Name and/or Position, and Contact	Responsibilities, Qualifications, and Training
Insert name of responsible person Insert Company Name Insert Position Insert Telephone Number Insert Email	Insert Responsibility, Qualifications, and Trainings
Insert name of responsible person Insert Company Name Insert Position Insert Telephone Number Insert Email	Insert Responsibility, Qualifications, and Trainings
Insert name of responsible person Insert Company Name Insert Position Insert Telephone Number Insert Email	Insert Responsibility, Qualifications, and Trainings

[Insert or delete rows as necessary.]

SECTION 2: NATURE OF CONSTRUCTION ACTIVITIES

2.1 Construction Site Estimates

Instructions (CGP 7.3.2.b.-c.):

- Estimate the area to be disturbed by excavation, grading, or other construction activities, including dedicated off-site borrow and fill areas.

The following are estimates for the construction site.

Total project area (lot size): acres
Construction site area to be disturbed: acres

2.2 Construction Activity Descriptions

Instructions (CGP 7.3.2.a., d. & g.):

- Briefly describe the nature of the construction activity and approximate time frames.
- For more information see CGP Part 7.3.2 and *SWPPP Guide*, Chapter 3.A.

Describe the general scope of the work for the project, major phases of construction, etc:
INSERT TEXT HERE
Describe any on-site and off-site construction support activity areas:
INSERT TEXT HERE
Typical site business days and times:
INSERT TEXT HERE

2.3 Phase/Sequence of Construction Activity

Instructions (CGP 7.3.2.e.):

- Describe the intended construction sequencing and timing of major activities, including any opportunities for phasing grading and stabilization activities to minimize the overall amount of disturbed soil that will be subject to potential erosion at one time. Also, describe opportunities for timing grading and stabilization so that all or a majority of the soil disturbance occurs during a time of year with less erosion potential (i.e., during the dry or less windy season).
- For more information, see *SWPPP Guide*, Chapter 4, ESC Principle 2. It might be useful to develop a separate, detailed site map for each phase of construction.

Phase I

- Describe phase and activities
- Duration of phase (start date, end date)
- List BMPs associated with this phase
- Describe stabilization methods for this phase (describe any temporary stabilization methods that will be used before final stabilization)

Phase II

- Describe phase and activities
- Duration of phase (start date, end date)
- List BMPs associated with this phase
- Describe stabilization methods for this phase (describe any temporary stabilization methods that will be used before final stabilization)

[Repeat as needed]

2.4 Maps

Instructions (CGP 7.3.3.):

- Attach site maps. For most projects, a series of site maps is recommended. The first should show the undeveloped site and its current features. An additional map or maps should be created to show the developed site or for more complicated sites show the major phases of development.

These maps should include the following:

- Boundaries of the property
- Locations of earth-disturbing activities, including demolition, and note any phasing;
- Direction(s) of storm water flow and approximate slopes before and after major grading activities;
- Type and extent of pre-construction cover (vegetative cover, pavement, etc.);
- Locations of stockpiles and material storage;
- Water crossings and all water of the state within one mile downstream of the site's discharge point;
- Designated points where vehicles enter onto paved roads;
- Locations of structures and other impervious surfaces upon completion of construction;
- On-site and off-site construction support activity areas covered by the permit;
- Storm water and authorized non-storm water discharge locations to inlets or waters of the state;
- Locations of all potential pollutant-generating activities;
- Locations of storm water controls, including natural buffer areas; and
- Locations where polymers, flocculants, or other treatment chemicals will be used and stored.
- For more information, see *SWPPP Guide*, Chapter 3.C.

The SWPPP site map(s) are filed in Appendix A

SECTION 3: WATER QUALITY

3.1 Discharge Information

Instructions(CGP 1.4.):

- A Municipal Separate Storm Sewer System (MS4) is a storm water conveyance system owned and operated by a state, city, town, county, district, association, or other public body. If you discharge to one of these systems mark "yes" and identify which MS4.You must submit your SWPPP to this MS4 for review. A list of MS4s that are currently designed under a Utah municipal storm water permit can be found here: https://documents.deq.utah.gov/water-quality/stormwater/DWQ-2018-006843.xlsx

Does your project/site discharge storm water into a Municipal Separate Storm Sewer System (MS4)? ☐ Yes ☐ No

List the MS4 that receives the discharge from the construction project: INSERT TEXT HERE

3.2 Receiving Waters

Instructions (CGP 3.1.):

- In the below table, list the name of the first surface water(s) that would receive discharges from your site. Multiple rows are provided in case your site discharges in multiple locations which flow to different surface waters. For discharges that enter a storm sewer system prior to discharge, the first surface water to which you discharge is the water body that receives the storm water discharge from the storm sewer system. You may need to contact the storm sewer system owner to find out where it discharges to.
- See http://wq.deq.utah.gov for impairment or quality information. Use this to identify the status in column 2 of Table 1. Select the waterbody you wish to look-up and find the results from the 20XX Assessment on the left hand side.
- For more information on TMDLs and impaired waters visit https://deq.utah.gov/water-quality/watershed-monitoring-program/approved-tmdls-watershed-management-program or www.epa.gov/tmdl/impaired-waters-and-stormwater.
- If any of the surface waters you listed are impaired, provide specified information about pollutants causing the impairment in column 3 of Table 1. Your SWPPP should specifically include measures to prevent the discharge of these pollutants.
- If any of the surface waters you listed are identified as a Category 1 or 2 water (a Category 1 water is only found within Forest Service boundaries) provide the category in column 3 of Table 1.
- For more information, see CGP Part 3.1 and 3.2 and *SWPPP Guide*, Chapter 3.B.

Names of Receiving Waters

Name of Receiving Water (first surface water that receives storm water or where storm system discharges to)	Is the water impaired or high quality?	If high quality: Is it Category 1 or 2? If impaired: List pollutants that the waterbody is impaired for
1.	☐ Not high quality/impaired ☐ Impaired, has approved TMDL ☐ Impaired, no TMDL ☐ High quality	
2.	☐ Not high quality/impaired ☐ Impaired, has approved TMDL ☐ Impaired, no TMDL ☐ High quality	

[Insert or delete rows as necessary.]

3.3 Impaired Waters

Instructions (CGP 3.2.):

- If you discharge to an impaired water as listed in the above table, provide information on additional efforts that will be taken to control the release of impairment causing pollutants. This is especially important for projects discharging to a surface water with an EPA approved TMDL for sediment or nutrients and an extra effort must be provided to prevent sediment from leaving the site.

Description of additional precautions taken if you are discharging to an impaired surface water. State if no impairment causing pollutants are on site:
INSERT TEXT HERE

3.4 High Water Quality

Instructions (CGP 3.2.):

- If you discharge to a high quality water as listed in the above, provide information on additional efforts that will be taken to control the release of pollutants. Per CGP Part 1.1.7, you can discharge to a Category 1 water if your discharge is temporary and limited and where best management practices will be employed to minimize pollution effects. Discharge to Category 2 waters is allowed only if the discharge will not lower the water quality of the water body.

Description of additional precautions taken to minimize pollution effects if you are discharging to a high quality surface water:
INSERT TEXT HERE

SECTION 4: POLLUTION PREVENTION STANDARDS

4.1 Potential Sources of Pollution

Instructions (CGP 7.3.2.f.):

- Identify and list all potential sources of sediment, which may reasonably be expected to affect the quality of storm water discharges from the construction site.
- Identify and describe all potential sources of pollution or pollutant-generating activity (e.g., paving operations; concrete, paint, and stucco washout and waste disposal; solid waste storage and disposal), other than sediment, which could be exposed to rainfall or snowmelt, and may reasonably be expected to discharges from the construction site.

  For more information, see *SWPPP Guide*, Chapter 3.A.

Pollutant-Generating Activity	**Pollutants or Pollutant Constituents** (that could be discharged if exposed to storm water)	**Location on Site** (or reference SWPPP site map where this is shown)

[Include additional rows as necessary.]

4.2 Non-Storm Water Discharges

Instructions (CGP 7.3.4.):

- Identify all allowable sources of non-storm water discharges and how they will be controlled. A list of allowable non-storm water discharges are found in the CGP Part 1.2.3.
- For more information, see *SWPPP Guide*, Chapter 3.A.

Check allowable non-storm water discharges that are present and describe the measures used to reduce them or prevent them from contributing pollutants to discharges:

Authorized Non-Storm Water Discharges	Present	Comments/Controls
Discharges from emergency fire-fighting activities	☐ Y ☐ N	
Fire hydrant flushing	☐ Y ☐ N	
Properly managed landscape irrigation (excludes fertilizer injector systems)	☐ Y ☐ N	
Properly managed vehicle and equipment wash water with no soaps, solvents, or detergents	☐ Y ☐ N	
Water used to control dust	☐ Y ☐ N	
Drinking water, includes uncontaminated water line flushing	☐ Y ☐ N	
External building washdown with no soaps, solvents, detergents, or hazardous substances	☐ Y ☐ N	
Pavement wash waters with no detergents or toxic or hazardous materials. Must have a sediment basin, sediment trap, of similarly effective control prior to discharge.	☐ Y ☐ N	
Uncontaminated air conditioning or compressor condensate	☐ Y ☐ N	
Uncontaminated, non-turbid discharges of ground water (from natural sources) or spring water	☐ Y ☐ N	
Uncontaminated foundation or footing drains	☐ Y ☐ N	

4.3 Dewatering Practices

Instructions (CGP 1.2.5. and 2.3.7.):

If you will be discharging storm water that is removed from excavations, trenches, foundations, vaults, or other similar points of accumulation, it must be permitted by UPDES permit UTG070000 (Construction Dewatering and Hydrostatic Testing Permit) unless it can be managed onsite through percolation or evaporation. The permit can be found at https://deq.utah.gov/water-quality/current-updes-permits in the bottom table. Call DWQ at 801-536-4300 for more information.

- Include schedule and general locations of dewatering. Dewatering locations must be on the site map.

☐ Check box if section not applicable to this site (Note: If not applicable skip to next section)

Describe the general scope of dewatering practices for the project and any BMPs used to manage the dewatering practices:

INSERT TEXT HERE

4.3.1: (Place name of BMP here – reference to detailed instructions in Appendix H if necessary)

BMP Description:

Installation Schedule/Instructions:	
Maintenance and Inspection:	
Responsible Staff:	
Design Specifications and Drawings:	

4.4 Natural Buffers or Equivalent Sediment Controls

Instructions (CGP Part 7.3.5.b.(1), 2.2.1, and Appendix A):

This section only applies if a surface water is located within 50 feet your construction activities. If this is the case, review CGP Part 2.2.1. and Appendix A of the CGP for information on how to comply with the buffer requirements.

- Describe the compliance alternative that was chosen to meet the buffer requirements, and include any required documentation supporting the alternative selected. The compliance alternative selected must be maintained throughout the duration of permit coverage. However, if you select a different compliance alternative during your period of permit coverage, you must modify your SWPPP to reflect this change.
- If you qualify for one of the exceptions in CGP Part A.2.2., include documentation related to your qualification for such exceptions.
- Review Appendix A of the CGP for step-by-step instructions and examples on how to comply with the different buffer alternatives.

Buffer Compliance Alternatives

Are there any surface waters within 50 feet of your project's earth disturbances?

☐ YES ☐ NO

(Note: If "no", no further documentation is required. Delete the rest of Section 4.3 below this point.)

List the water body: INSERT TEXT HERE

Check the compliance alternative that you have chosen:

☐ I will provide and maintain a 50-foot undisturbed natural buffer around the surface water.

☐ It is infeasible to provide and maintain a full 50-foot undisturbed natural buffer. I will provide and implement erosion and sediment controls to achieve the required sediment load reduction for my conditions.

- Reason that a 50' buffer could not be maintained: INSERT TEXT HERE
- Width of buffer that will be retained: INSERT TEXT HERE
- Additional controls used to achieve equivalent sediment load reduction of a 50' buffer: INSERT TEXT HERE
- Description of the calculations and assumptions used to determine sediment load reductions: INSERT TEXT HERE

☐ The project qualifies as "small residential lot" disturbing less than an acre. The natural buffer is preserved in accordance with CGP A.2.3., storm water is treated by site erosion and sediment controls before discharge, natural buffers are shown on the site map, and buffer areas are marked on site. Select one of the 2 alternatives for small residential lots:

☐ Alternative 1: Using Table A-1 in CGP for requirements

- Width of buffer that will be retained: INSERT TEXT HERE
- Additional controls to be used: INSERT TEXT HERE

☐ Alternative 2: Using Tables A-2 through A-7 in CGP for requirements

- Width of buffer that will be retained: INSERT TEXT HERE
- Sediment Risk Level Determined: INSERT TEXT HERE
- Additional controls to be used: INSERT TEXT HERE

☐ I qualify for one of the exceptions in Part A.2.2. (If you have checked this box, provide information on the applicable buffer exception that applies, below.)

☐ There is no discharge of storm water through the area between the disturbed portions of the site and the surface water that is located within 50 feet.

☐ No natural buffer exists due to preexisting development disturbances that occurred prior to the initiation of planning for this project.

☐ For a linear project, site constraints (e.g., limited right-of-way) make it infeasible for me to meet any of the compliance alternatives.

- Reason it is infeasible: INSERT TEXT HERE
- Buffer width retained or supplemental controls used: INSERT TEXT HERE

☐ Buffer disturbances are authorized under a CWA Section 404 permit.

- Describe earth disturbances in buffer area: INSERT TEXT HERE

(Note: This exception does not apply to portions upland of the Section 404 permitted work.)

☐ Buffer disturbances will occur for the construction of a water-dependent structure or water access area (e.g., pier, boat ramp, and trail).

- Describe earth disturbances in buffer area: INSERT TEXT HERE

SECTION 5: EROSION AND SEDIMENT CONTROLS – BMPS

5.1 List of Erosion and Sediment BMPs on Site

Instructions (CGP Part 2.2. and 7.3.5):

- Identify best management practices (BMPs) that will be implemented on site to control erosion and sediment transport from storm water.
- Use the below CGP requirements and the pollutant generating activates identified in SWPPP section 4.1. to determine where BMPs are necessary. Fill out the rightmost column with BMPs you are selecting. Some requirements may not apply to your site.
- For each BMP you must provide a description of the control, any design specifications, routine maintenance specifications, a schedule for storm water control implementation/installation, and the staff responsible for maintaining the BMP. These details are listed in the BMP section below the table.
- BMPs are listed as examples, you may use BMPs not listed.
- Details and design specifications can be provided in this section or in Appendix H if they are large.
- Perimeter control maintenance must include removal of sediment before it has accumulated to one-half the above-ground height of the control.
- For more information, see *SWPPP Guide*, Chapter 4.
- BMP guidance may be found in your MS4's or other local jurisdiction's design manual, guidance manuals listed in Appendix D of the *SWPPP Guide*, or EPA's National Menu of BMPs https://www.epa.gov/npdes/national-menu-best-management-practices-bmps-stormwater#constr

CGP Requirement	Example BMPs	EPA SWPPP Guide Section	BMPs Selected (Name and Reference Number if applicable)
Preserve vegetation where possible and direct storm water to vegetated areas when feasible (CGP 2.2.2.)	Phasing to minimize disturbance, signs/fences to protect areas not being disturbed.	Chapter 4, ESC Principle 1	
Install sediment controls along perimeter areas that receive pollutant discharges (CGP 2.2.3.).	Silt fence, fiber rolls, earth berms	Chapter 4, ESC Principle 7	
Minimize sediment track-out (CGP 2.2.4.)	Restrict access, stabilize exits, track-out pads, tire washing station, clean-up sediments	Chapter 4, ESC Principle 9	
Manage stockpiles with perimeter controls and locate away from storm water conveyances (CGP 2.2.5.)	Sediment barriers downgradient, proper location, covered stockpiles, diverting storm water from stockpiles	Chapter 4, ESC Principle 4	

Minimize dust (CGP 2.2.6.)	Water application, mulching, chemical dust suppression techniques		
Minimize steep slope disturbance (CGP 2.2.7.)	Erosion control blankets, tackifiers, protect slopes from disturbance	Chapter 4, ESC Principle 5	
Preserve topsoil (CGP 2.2.8.)	Stockpile topsoil	Chapter 4, ESC Principle 1	
Minimize soil compaction where final cover is vegetation (CGP 2.2.9.)	Restrict vehicle access, recondition soils before seeding		
Protect storm drain inlets (CGP 2.2.10.)	Inserts, rock-filled bags, covers	Chapter 4, ESC Principle 6	
Slow down runoff with erosion controls and velocity dissipation devices (CGP 2.2.11.)	Check dams, riprap	Chapter 4, ESC Principle 3	
Appropriately design any sediment basins or impoundments (CGP 2.2.12.)	Design to 2-year 24-hour storm or 3,600 cubic feet per acre drained, include design specifications	Chapter 4, ESC Principle 8	
Follow requirements for any treatment chemicals (polymers, flocculants, coagulants, etc.)	Store in leak proof containers and cover, proper training, minimize use		
Stabilize exposed portions of site with 14 days of inactivity (CGP 2.2.14).	Seeding, erosion control blankets, gravel, hydromulch	Chapter 9	

5.1.1: (Place name of BMP here – reference to detailed instructions in Appendix H if necessary)

BMP Description/Instructions:

Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	
Design Specifications and Drawings:	

5.1.2: (Place name of BMP here – reference to detailed instructions in Appendix H if necessary)	
BMP Description/Instructions:	
Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	
Design Specifications and Drawings:	

5.1.3: (Place name of BMP here – reference to detailed instructions in Appendix H if necessary)	
BMP Description/Instructions:	
Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	
Design Specifications and Drawings:	

5.1.4: (Place name of BMP here – reference to detailed instructions in Appendix H if necessary)	
BMP Description/Instructions:	
Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	
Design Specifications and Drawings:	

5.1.5: (Place name of BMP here – reference to detailed instructions in Appendix H if necessary)	
BMP Description/Instructions:	
Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	
Design Specifications and Drawings:	

[Repeat as needed]

5.2 Linear Site Perimeter Control Exemption

Instructions (CGP 7.3.5.b.(2)):

- For areas where perimeter controls are not feasible on a linear construction site, include a description of why it is not feasible and other practices that will be implemented to minimize discharges of pollutants from the site.

☐ Check box if section not applicable to this site (Note: If not applicable skip to next section)

If the site is linear and perimeter controls are not feasible, describe other practices in use:
INSERT TEXT HERE

5.3 Final Stabilization

Instructions (CGP 7.3.5.b.(6) and 2.2.14.b.):

- Describe procedures for final stabilization. If final cover is vegetation, you must establish uniform perennial vegetation that provides 70% or more of the vegetative cover that existed prior to earth-disturbing activities. Exception: Arid, semi-arid, and drought stricken areas are required to be seeded/planted so that the before mentioned vegetative requirement is expected to be met within 3 years. Establishment of vegetation is not required, however additional erosion controls may be needed.
- You can amend or add to this section as areas of your project are finally stabilized.
- Update your site plans to indicate areas that have achieved final stabilization.

Description of final stabilization practices and schedule:

Type of stabilization (vegetation/landscaped, graveled, paved, etc.)	Location	Implementation Schedule

SECTION 6: BMPS - POLLUTION PREVENTION/OPERATIONAL CONTROLS

6.1 Spill Prevention and Response

Instructions CGP Part 7.3.5.b.(7):

- Describe the spill prevention and control plan. Include ways to reduce the chance of spills, stop the source of spills, contain and clean up spills, dispose of materials contaminated by spills, and train personnel responsible for spill prevention and control.
- Some projects/site may be required to develop a Spill Prevention Control and Countermeasure (SPCC) plan under a separate regulatory program (40 CFR 112). If you are required to develop an SPCC plan, or you already have one, you should include references to the relevant requirements from your plan.
- The plan must include the materials and method of containment and for flowing liquid, cleanup, disposal and follow the minimum spill controls below.
- For more information, see *SWPPP Guide*, Chapter 5, P2 Principle 6.

Describe spill procedures and materials available for expeditious containment, clean-up and disposal of spills:
INSERT TEXT HERE OR REFERENCE DOCUMENT

Identify the employee responsible for detection and response of spills and leaks:
INSERT TEXT HERE

Any discharges in 24 hours equal to or in excess of the reportable quantities listed in 40 CFR 117, 40 CFR 110, and 40 CFR 302 will be reported to the National Response Center and the Division of Water Quality (DWQ) as soon as practical after knowledge of the spill is known to the permittees. The permittee shall submit within 14 calendar days of knowledge of the release a written description of: the release (including the type and estimate of the amount of material released), the date that such release occurred, the circumstances leading to the release, and measures taken and/or planned to be taken to the Division of Water Quality (DWQ), 288 North 1460 West, P.O. Box 144870, Salt Lake City, Utah 84114-4870. The Storm Water Pollution Prevention Plan must be modified within14 calendar days of knowledge of the release to provide a description of the release, the circumstances leading to the release, and the date of the release. In addition, the plan must be reviewed to identify measures to prevent the reoccurrence of such releases and to respond to such releases, and the plan must be modified where appropriate.

Agency	Phone Number
National Response Center	(800) 424-8802
Division of Water Quality (DWQ) 24-Hr Reporting	(801)-231-1769 (801) 536-4123
Utah Department of Health Emergency Response	(801) 580-6681

Material	Media Released To	Reportable Quantity
Engine oil, fuel, hydraulic & brake fluid	Land	25 gallons
Paints, solvents, thinners	Land	100 lbs (13 gallons)
Engine oil, fuel, hydraulic & brake fluid	Water	Visible Sheen
Antifreeze, battery acid, gasoline, engine degreasers	Air, Land, Water	100 lbs (13 gallons)
Refrigerant	Air	1 lb

6.2 Pollution Prevention Controls

Instructions (CGP Part 2.3. and 7.3.5):

- Describe the key good housekeeping and pollution prevention (P2) BMPs that will be implemented to control pollutants in storm water (CGP Part 2.3).
- Use the below CGP requirements and the pollutant generating activates identified in SWPPP section 4.1. which were not addressed with the erosion and sediment BMPs to determine where BMPs are necessary.
- For each BMP you must provide a description of the control, any design specifications, routine maintenance specifications, a schedule for storm water control implementation/installation, and the staff responsible for maintaining the BMP.
- BMPs are listed as examples, you may use BMPs not listed.
- Details and design specifications can be provided in this section or in Appendix H.
- For more information, see *SWPPP Guide*, Chapter 5.
- Consult your state's or local jurisdiction's design manual or resources in Appendix D of the *SWPPP Guide*.
- For more information or ideas on BMPs, see EPA's National Menu of BMPs https://www.epa.gov/npdes/national-menu-best-management-practices-bmps-stormwater#constr

CGP Requirements	Example BMPs	EPA SWPPP Guide Section	BMPs Selected (Name and Reference Number if applicable)
Equipment and vehicle fueling (CGP 2.3.1)	Spill kits, SPCCP, drip pans, locate activities away from conveyances, use secondary containment	Chapter 5, P2 Principle 4	
Equipment and vehicle washing (CGP 2.3.2.)	Locating away from surface waters and storm water conveyances, directing wash waters to a sediment basin or sediment trap, using filtration	Chapter 5, P2 Principle 5	

	devices		
Storage, handling, and disposal of building products and waste (CGP 2.3.3.)	Cover (plastic sheeting / temporary roofs), secondary containment, leakproof containers, proper dumpsters, secured portable toilets, locate away from storm water conveyances	Chapter 5, P2 Principle 1 and 2	
Washing of stucco, paint, concrete, form release oils, curing compounds, etc. (CGP 2.3.4.)	Leak proof containers, lined pits, locate away from storm water conveyances	Chapter 5, P2 Principle 3	
Properly apply fertilizer (CGP 2.3.5)	Follow manufacture specifications, document deviations in applications, avoid applications to frozen ground, before heavy rains, or to storm water conveyances		

6.2.1.: (Place name of BMP here – reference to detailed instructions in Appendix H if necessary)

BMP Description/Instructions:	
Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	
Design Specifications and Drawings:	

6.2.2.: (Place name of BMP here – reference to detailed instructions in Appendix H if necessary)

BMP Description/Instructions:	
Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	
Design Specifications and Drawings:	

6.2.3.: (Place name of BMP here – reference to detailed instructions in Appendix H if necessary)	
BMP Description/Instructions:	
Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	
Design Specifications and Drawings:	

6.2.4: (Place name of BMP here – reference to detailed instructions in Appendix H if necessary)	
BMP Description/Instructions:	
Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	
Design Specifications and Drawings:	

6.2.5: (Place name of BMP here – reference to detailed instructions in Appendix H if necessary)	
BMP Description/Instructions:	
Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	
Design Specifications and Drawings:	

6.2.6: (Place name of BMP here – reference to detailed instructions in Appendix H if necessary)	
BMP Description/Instructions:	
Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	
Design Specifications and Drawings:	

[Repeat as needed]

SECTION 7: SPECIAL CONDITIONS

Instructions:

The conditions listed below require additional details or actions added to your SWPPP. If they do not apply you may delete them from this SWPPP.

7.1 Emergency Related Projects

Instructions (CGP 1.1.5):

- For emergency activities that require immediate authorization but last longer than 30 days, a SWPPP may be submitted within 30 days of starting work.
- To be an emergency related project it must be considered a public emergency and the cause must be documented along with the description of necessary construction to reestablish effected public services.

Emergency-Related Project? ☐ Yes ☐ No

DESCRIBE THE NATURE OF THE PUBLIC EMERGENCY AND WHY IMMEDIATE AUTHORIZATION WAS NECESSARY.

7.2 UIC Class 5 Injection Wells

Instructions (CGP 7.3.8.):

- If you are using any of the following storm water controls at your site as they are described below, you must document any contact you have had with DWQ for implementing the requirements for underground injection wells in the Safe Drinking Water Act and DEQ's implementing regulation at UAC R317-7.
- There may be additional local requirements related to such structures
- For the State UIC Contact at DWQ call (801) 536-4300.

☐ Check box if section not applicable to this site (Note: If not applicable skip to next section)

Class V UIC Wells on site (all must be reported to DWQ for inventory):

☐ Infiltration trenches (if storm water is directed to any shaft or hole that is deeper than its widest surface dimension or has a subsurface fluid distribution system)

☐ Commercially manufactured pre-cast or pre-built subsurface detention vault/infiltration system

☐ Drywell, seepage pit, or improved sinkhole (if storm water is directed to any shaft or hole that is deeper than its widest surface dimension or has a subsurface fluid distribution system)

Description of your Class V Injection Well and any local requirements:

INSERT DESCRIPTION AND ANY DWQ OR LOCAL REQUIREMENTS

Description of any additional BMPs used in conjunction with the UIC well.	
7.2.1: (Place name of BMP here – reference to detailed instructions in Appendix H if necessary)	
BMP Description/Instructions:	
Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	
Design Specifications and Drawings:	

7.3 Chemical Treatment

Instructions (see CGP 2.2.13. and 7.3.5.b.(5)):

- If you are using treatment chemicals at your site, provide details for each of the items below. This information is required as part of the SWPPP requirements in CGP Part 7.2.9.b.

☐ Check box if section not applicable to this site (Note: If not applicable skip to next section)

Soil Types

List all the soil types (including soil types expected to be found in fill material) that are expected to be exposed during construction and that will be discharged to locations where chemicals will be applied: INSERT TEXT HERE

Treatment Chemicals

List all treatment chemicals that will be used at the site and explain why these chemicals are suited to the soil characteristics: INSERT TEXT HERE

Describe the dosage of all treatment chemicals you will use at the site or the methodology you will use to determine dosage: INSERT TEXT HERE

Provide information from any applicable Safety Data Sheets (SDS): INSERT TEXT HERE

Describe how each of the chemicals will stored: INSERT TEXT HERE

Include references to applicable state or local requirements affecting the use of treatment chemicals, and copies of applicable manufacturer's specifications regarding the use of your specific treatment chemicals and/or chemical treatment systems: INSERT TEXT HERE

Special Controls for Cationic Treatment Chemicals (if applicable)

If you have been authorized by DWQ to use cationic treatment chemicals, identify the specific controls and implementation procedures you are required to implement to ensure that your use of cationic treatment chemicals will not lead to a violation of water quality standards or harm aquatic life: INSERT TEXT HERE

Schematic Drawings of Storm Water Controls/Chemical Treatment Systems

Provide schematic drawings of any chemically-enhanced storm water controls or chemical treatment systems to be used for application of treatment chemicals: INSERT TEXT HERE

Training

Describe the training that personnel who handle and apply chemicals have received prior to permit coverage, or will receive prior to the use of treatment chemicals: INSERT TEXT HERE

SECTION 8: INSPECTIONS & CORRECTIVE ACTIONS

8.1 Inspections

Instructions (CGP Part 4.2-4.4.3):

- Select an inspection schedule. These are minimum frequencies, you may inspect more frequently. If so describe what your schedule would be.
- For more on this topic, see *SWPPP Guide*, Chapters 6 and 8.
- Also, see suggested inspection form in Appendix B of the *SWPPP Guide*.

Minimum Inspection Schedule Requirements:

Standard Frequency:
☐ Once every 7 calendar days.
☐ Once every 14 calendar days and within 24 hours of the end of a storm event of 0.5 inches or greater. Rain gauge/weather station used: Gauge or station for rainfall depth
Increased Frequency (if applicable):
☐ *Sites discharging to impaired or high quality waters:* Once every 7 calendar days and within 24 hours of the end of a storm event of 0.5 inches or greater.
Decreased Frequency (if applicable):
☐ *Arid areas:* once a month and within 24 hours of a 0.5 inch storm event or greater.
☐ *Semi-arid areas*: once a month and within 24 hours of a 0.5 inch storm event or greater during the dry season: List months for dry season (also select the inspection schedule followed outside of the dry season).
☐ *Frozen conditions with work suspended – must have 3 months of continuous expected frozen conditions based on historical averages:* no inspections List months of suspended inspections(also select the inspection schedule followed when not frozen)
☐ *Frozen conditions with continued activities - must have 3 months of continuous expected frozen conditions based on historical averages*: once per month List months of frozen conditions (also select the inspection schedule followed when not frozen)
Other:
☐ Describe alternative frequency: List alternative schedule, must meet minimum requirements

Inspection Reports are filed in Appendix C

8.2 Corrective Actions

Instructions:

- A sample corrective action report is provided in Appendix D.
- Whenever a storm water control requires repair or replacement (beyond routine maintenance), a control necessary for permit compliance was never installed or was installed incorrectly, your discharges cause an exceedance of applicable water quality standards, or a prohibitive discharge has occurred, you must log corrective actions taken.
- This log should describe actions taken, date completed, whether a SWPPP modification was required.
- In some cases corrective actions may be documented on the inspection form. This is an acceptable alternative as long as corrective actions that occur outside of inspections are also documented.

Correction Action Report is filed in Appendix D.

8.3 Delegation of Authority

Instructions:

- Identify the individual(s) or specifically describe the position where the construction site operator has delegated authority for the purposes of signing inspection reports, certifications, or other information in Section 1.1 of the SWPPP.
- Each inspection report must be signed in accordance with CGP Part 9.16 of the permit.
- If a delegation letter is necessary, see Appendix E of this template and keep a signed copy with this SWPPP.
- For more on this topic, see *SWPPP Guide*, Chapter 7.

See the signed delegation of authority forms in Appendix E.

SECTION 9: RECORDKEEPING

9.1 Recordkeeping

Instructions (CGP 7.3.10. and 9.10.):

- The following is a list of records you must have accessible on site (electronically or paper) for inspectors to review:
  - ✓ A copy of the construction general permit (Appendix I)
  - ✓ The signed and certified NOI form or permit application form (Appendix B)
- Copies of the SWPPP and all reports required by the permit must be retained for at least three years from the date that the site is finally stabilized.
- For more on this subject, see *SWPPP Guide*, Chapter 6.C.

9.2 Log of Changes to the SWPPP

Instructions (CGP Part 7.5.3):

- Create a log here of changes and updates to the SWPPP. You should include additions of new BMPs, replacement of failed BMPs, significant changes in the activities or their timing on the project, changes in personnel, changes in inspection and maintenance procedures, updates to site maps, and so on.
- Instead of using the table, SWPPPs can also be redlined to show changes as long as the redlines are initialed and dated.

Description of the Amendment	Date of Amendment	Amendment Prepared by [Name(s) and Title]

SECTION 10: CERTIFICATION

Instructions:

- The SWPPP should be signed and certified by the owner and/or the general contractor. Attach a copy of the NOI and a copy of the General Storm Water Permit for Construction Activity. You can get a copy of the General Storm Water Permit for Construction Activity on the same web page that this template was obtained (https://deq.utah.gov/water-quality/general-construction-storm-water-updes-permits)

Owner

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name: Title:

Signature: Date:

General Contractor

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name: Title:

Signature: Date:

SWPPP APPENDICES

Attach the following documentation to the SWPPP:

Appendix A – Site Maps

Appendix B – NOI

Appendix C – Inspection Reports

Appendix D –Corrective Action Report

Appendix E – Subcontractor Certifications/Agreements/Delegation of Authority (see CGP 9.16(1)b.)

Appendix F – Training Logs and Certifications (see CGP 6)

Appendix G – Additional Information (i.e., Other permits such as dewatering, stream alteration, wetland; and out of date swppp documents)

Appendix H – BMP Instruction and Detail Specifications

Appendix I – Construction General Permit

Appendix A: Site Maps

Include any site maps in this appendix. For site map requirements review SWPPP section 2.5.

Appendix B: NOI

Include a copy of your NOI in this appendix. The NOI must be signed.

Appendix C: Inspection Reports

Place all completed inspection reports in this appendix. You may also put blank inspection reports here to be completed.

You are encouraged to create your own inspection forms for each site. Inspection reports must have the following information:

1) The inspection date.
2) The UPDES ID number (UTRXXXXX).
3) Name and title of personnel making the inspections.
4) Summary of inspection findings and any necessary corrective actions:
    a. Are storm water controls properly installed and operational? If failed then why?
    b. Presence of any conditions that could lead to spills or leaks.
    c. Locations where new or modified controls are necessary.
    d. Signs of visible erosion or sediment depositing related to your discharges.
    e. Any incidents of noncompliance.
    f. Visual quality of any discharges occurring.
5) Rainfall amount if the inspection was trigger by a precipitation event.
6) If it was unsafe to inspect any areas of the site, a description of the area and reason.

Appendix D: Corrective Action Report

An example corrective action report has been included in this appendix. Review SWPPP section 8.2 for corrective action requirements. You can also create your own form or include corrective actions on your inspection form.

Appendix D – *Sample* Corrective Action Report

Inspection Date	Inspector Name(s)	Description of BMP Deficiency	Corrective Action Needed (including planned date/responsible person)	Date Action Taken/Responsible person

Appendix E: Subcontractor Certifications/Agreements/Delegation of Authority (CGP 9.16.(1)b.)

A sample subcontractor agreement form and delegation of authority form have been included in this appendix. If these are used, keep complete signed forms here.

SUBCONTRACTOR CERTIFICATION
STORM WATER POLLUTION PREVENTION PLAN

Project Number: _____

Project Title: _____

Operator(s): _____

As a subcontractor, you are required to comply with the Storm water Pollution Prevention Plan (SWPPP) for any work that you perform on-site. Any person or group who violates any condition of the SWPPP may be subject to substantial penalties or loss of contract. You are encouraged to advise each of your employees working on this project of the requirements of the SWPPP. A copy of the SWPPP is available for your review at request.

Each subcontractor engaged in activities at the construction site that could impact storm water must be identified and sign the following certification statement:

I certify under the penalty of law that I have read and understand the terms and conditions of the SWPPP for the above designated project and agree to follow the BMPs and practices described in the SWPPP.

This certification is hereby signed in reference to the above named project:

Company: _____

Address: _____

Telephone Number: _____

Type of construction service to be provided: _____

_____

_____

Signature: _____

Title: _____

Date: _____

Delegation of Authority

I, _____, hereby designate the person or specifically described position below to be a duly authorized representative for the purpose of overseeing compliance with environmental requirements, including the UPDES "General Permit for Storm Water Discharges Associated with Construction Activity" (CGP), at the construction site:

_____, Permit No. UTR_____

The designee is authorized to sign all reports required by the Permit and other information requested by the Director of the Utah Division of Water Quality, or by an authorized representative of the Executive Secretary.

Name of Person or Position: _____

Owner/Operator:_____

Mailing Address: _____

City, State, Zip Code: _____

Phone Number: _____

By signing this authorization, I confirm that I meet the requirements to make such a designation as set forth in Part 9.16 of the CGP, and that the designee above meets the definition of a "duly authorized representative" as set forth in Part 9.16.b. of the CGP.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name: _____

Title: _____

Signature: _____

Date: _____

Appendix F: Training Logs and Certifications (see CGP 6)

A sample training log has been included in this appendix to keep track of trainings that have been provided. At a minimum, storm water team members that require training should be provided with the following if it relates to their duties (CGP Part 6.3.):

- The permit deadlines associated with installation, maintenance, and removal of storm water controls and with stabilization;
- The location of all storm water controls on the site required by this permit and how they are to be maintained;
- The proper procedures to follow with respect to the permit's pollution prevention requirements; and
- When and how to conduct inspections, record applicable findings, and take corrective actions

Certifications for SWPPP inspectors or writers can also be placed in this appendix.

A: SWPPP Template (Utah) – Instructions

DWQ has developed this Storm Water Pollution Prevention Plan (SWPPP) template for construction sites permitted under the Construction General Storm Water Permit (CGP). The template gives you a framework to ensure that your SWPPP addresses the necessary elements required by the permit. It may be helpful to use this template with EPA's guidance on *Developing Your Storm Water Pollution Prevention Plan* (SWPPP Guide). Both are available on DWQ's construction storm water website at https://deq.utah.gov/water-quality/general-construction-storm-water-updes-permits

This template covers most of the SWPPP elements that the Utah CGP requires, however, you are encouraged to customize this template to reflect unique conditions at the site or address a requirement not covered in the provided sections.

Using the SWPPP Template

Each section of this template includes instructions and space for project information. You should read the instructions for each section before you complete that section. If you require additional clarification, the instructions often reference a permit section where you can find the exact wording for the requirement as well as other resources that may be useful. For a cleaner document you may want to delete instructions when finished. This template was developed in Word so that you can easily add tables and additional text. Some sections may require only a brief description or not apply at all to your project, while others may require several pages of explanation.

Tips for completing the SWPPP template

- If there is more than one key player affecting storm water for your project, consider coordinating development of your SWPPP with the other key players.
- Make sure you inform subcontractors about limitations or special requirements if their work intersects with SWPPP requirements. You might write a section of your SWPPP specifically for a subcontractor and deliver that section to the sub-contractor before his work commences.
- Modify this SWPPP template so that it addresses the requirements in your construction general permit and meets the needs of your project. Be sure to include important aspects of the SWPPP that go beyond the boundaries of the project.
- EPA's guidance on Developing Your Storm Water Pollution Prevention Plan (SWPPP Guide) can be accessed here: https://www3.epa.gov/npdes/pubs/sw_swppp_guide.pdf

Storm Water Pollution Prevention Plan

for:

Insert Project Name
Insert Project Site Location/Address
Insert City, State, Zip Code
Insert Project Site Telephone Number (if applicable)

Operator:

Insert Company or Organization Name
Insert Name
Insert Address
Insert City, State, Zip Code
Insert Telephone Number
Insert Fax/Email

Primary SWPPP Contact

Insert Company or Organization Name
Insert Name
Insert Address
Insert City, State, Zip Code
Insert Telephone Number
Insert Fax/Email

SWPPP Preparation Date:

__/__/__

UPDES Permit Tracking Number*:

UTR_____

**This is the unique number assigned to your project after you have applied for coverage under the Utah Pollutant Discharge Elimination System (UPDES) construction general permit. If this template is filled out first, you can leave the tracking number blank until after you have applied for coverage.*

Contents

SECTION 1: CONTACT INFORMATION/ RESPONSIBLE PARTIES

Instructions (CGP 7.3.1./7.3.7.):

- Identify the staff members that are part of the project's storm water team as well as their responsibilities. The storm water team is comprised of individuals who are responsible for the development of the SWPPP, any later modifications to it, installing and maintaining storm water controls, conducting site inspections, and making corrective actions where required.
- Each member of the storm water team must have ready access to either an electronic or paper copy of the 2019 CGP and the SWPPP.
- Starting January 1, 2021: A SWPPP writer for a site greater than 5 acres, with a perennial surface water within 50 feet of the project, or with a steep slope (70% or 35 degrees or more) must hold a certification to demonstrate that they are a "qualified person" per CGP Part 7.2.
- The following personnel, at a minimum, must receive training on their responsibilities (CGP Part 7.3.7/6.1):
  - ✓ Personnel who are responsible for the design, installation, maintenance, and/or repair of storm water controls (including pollution prevention measures);
  - ✓ Personnel responsible for the application and storage of treatment chemicals;
  - ✓ Personnel who are responsible for conducting inspections (must hold a certification) as required in Part 4.1.; and
  - ✓ Personnel who are responsible for taking corrective actions as required in Part 5.
- A sample training log is provided in Appendix F. Certifications can also be recorded in this appendix.
- For more on training, see *SWPPP Guide*, Chapter 8.

1.1 Storm Water Team

Name and/or Position, and Contact	Responsibilities, Qualifications, and Training
Insert name of responsible person Insert Company Name Insert Position Insert Telephone Number Insert Email	Insert Responsibility, Qualifications, and Trainings
Insert name of responsible person Insert Company Name Insert Position Insert Telephone Number Insert Email	Insert Responsibility, Qualifications, and Trainings
Insert name of responsible person Insert Company Name Insert Position Insert Telephone Number Insert Email	Insert Responsibility, Qualifications, and Trainings

[Insert or delete rows as necessary.]

SECTION 2: NATURE OF CONSTRUCTION ACTIVITIES

2.1 Construction Site Estimates

Instructions (CGP 7.3.2.b.-c.):

- Estimate the area to be disturbed by excavation, grading, or other construction activities, including dedicated off-site borrow and fill areas.

The following are estimates for the construction site.

Total project area (lot size): acres
Construction site area to be disturbed: acres

2.2 Construction Activity Descriptions

Instructions (CGP 7.3.2.a., d. & g.):

- Briefly describe the nature of the construction activity and approximate time frames.
- For more information see CGP Part 7.3.2 and *SWPPP Guide*, Chapter 3.A.

Describe the general scope of the work for the project, major phases of construction, etc:
INSERT TEXT HERE
Describe any on-site and off-site construction support activity areas:
INSERT TEXT HERE
Typical site business days and times:
INSERT TEXT HERE

2.3 Phase/Sequence of Construction Activity

Instructions (CGP 7.3.2.e.):

- Describe the intended construction sequencing and timing of major activities, including any opportunities for phasing grading and stabilization activities to minimize the overall amount of disturbed soil that will be subject to potential erosion at one time. Also, describe opportunities for timing grading and stabilization so that all or a majority of the soil disturbance occurs during a time of year with less erosion potential (i.e., during the dry or less windy season).
- For more information, see *SWPPP Guide*, Chapter 4, ESC Principle 2. It might be useful to develop a separate, detailed site map for each phase of construction.

Phase I

- Describe phase and activities
- Duration of phase (start date, end date)
- List BMPs associated with this phase
- Describe stabilization methods for this phase (describe any temporary stabilization methods that will be used before final stabilization)

Phase II

- Describe phase and activities
- Duration of phase (start date, end date)
- List BMPs associated with this phase
- Describe stabilization methods for this phase (describe any temporary stabilization methods that will be used before final stabilization)

[Repeat as needed]

2.4 Maps

Instructions (CGP 7.3.3.):

- Attach site maps. For most projects, a series of site maps is recommended. The first should show the undeveloped site and its current features. An additional map or maps should be created to show the developed site or for more complicated sites show the major phases of development.

These maps should include the following:

- Boundaries of the property
- Locations of earth-disturbing activities, including demolition, and note any phasing;
- Direction(s) of storm water flow and approximate slopes before and after major grading activities;
- Type and extent of pre-construction cover (vegetative cover, pavement, etc.);
- Locations of stockpiles and material storage;
- Water crossings and all water of the state within one mile downstream of the site's discharge point;
- Designated points where vehicles enter onto paved roads;
- Locations of structures and other impervious surfaces upon completion of construction;
- On-site and off-site construction support activity areas covered by the permit;
- Storm water and authorized non-storm water discharge locations to inlets or waters of the state;
- Locations of all potential pollutant-generating activities;
- Locations of storm water controls, including natural buffer areas; and
- Locations where polymers, flocculants, or other treatment chemicals will be used and stored.
- For more information, see *SWPPP Guide*, Chapter 3.C.

The SWPPP site map(s) are filed in Appendix A

SECTION 3: WATER QUALITY

3.1 Discharge Information

Instructions(CGP 1.4.):

- A Municipal Separate Storm Sewer System (MS4) is a storm water conveyance system owned and operated by a state, city, town, county, district, association, or other public body. If you discharge to one of these systems mark "yes" and identify which MS4.You must submit your SWPPP to this MS4 for review. A list of MS4s that are currently designed under a Utah municipal storm water permit can be found here: https://documents.deq.utah.gov/water-quality/stormwater/DWQ-2018-006843.xlsx

Does your project/site discharge storm water into a Municipal Separate Storm Sewer System (MS4)? ☐ Yes ☐ No

List the MS4 that receives the discharge from the construction project: INSERT TEXT HERE

3.2 Receiving Waters

Instructions (CGP 3.1.):

- In the below table, list the name of the first surface water(s) that would receive discharges from your site. Multiple rows are provided in case your site discharges in multiple locations which flow to different surface waters. For discharges that enter a storm sewer system prior to discharge, the first surface water to which you discharge is the water body that receives the storm water discharge from the storm sewer system. You may need to contact the storm sewer system owner to find out where it discharges to.
- See http://wq.deq.utah.gov for impairment or quality information. Use this to identify the status in column 2 of Table 1. Select the waterbody you wish to look-up and find the results from the 20XX Assessment on the left hand side.
- For more information on TMDLs and impaired waters visit https://deq.utah.gov/water-quality/watershed-monitoring-program/approved-tmdls-watershed-management-program or www.epa.gov/tmdl/impaired-waters-and-stormwater.
- If any of the surface waters you listed are impaired, provide specified information about pollutants causing the impairment in column 3 of Table 1. Your SWPPP should specifically include measures to prevent the discharge of these pollutants.
- If any of the surface waters you listed are identified as a Category 1 or 2 water (a Category 1 water is only found within Forest Service boundaries) provide the category in column 3 of Table 1.
- For more information, see CGP Part 3.1 and 3.2 and *SWPPP Guide*, Chapter 3.B.

Names of Receiving Waters

Name of Receiving Water (first surface water that receives storm water or where storm system discharges to)	Is the water impaired or high quality?	If high quality: Is it Category 1 or 2? If impaired: List pollutants that the waterbody is impaired for
1.	☐ Not high quality/impaired ☐ Impaired, has approved TMDL ☐ Impaired, no TMDL ☐ High quality	
2.	☐ Not high quality/impaired ☐ Impaired, has approved TMDL ☐ Impaired, no TMDL ☐ High quality	

[Insert or delete rows as necessary.]

3.3 Impaired Waters

Instructions (CGP 3.2.):

- If you discharge to an impaired water as listed in the above table, provide information on additional efforts that will be taken to control the release of impairment causing pollutants. This is especially important for projects discharging to a surface water with an EPA approved TMDL for sediment or nutrients and an extra effort must be provided to prevent sediment from leaving the site.

Description of additional precautions taken if you are discharging to an impaired surface water. State if no impairment causing pollutants are on site:
INSERT TEXT HERE

3.4 High Water Quality

Instructions (CGP 3.2.):

- If you discharge to a high quality water as listed in the above, provide information on additional efforts that will be taken to control the release of pollutants. Per CGP Part 1.1.7, you can discharge to a Category 1 water if your discharge is temporary and limited and where best management practices will be employed to minimize pollution effects. Discharge to Category 2 waters is allowed only if the discharge will not lower the water quality of the water body.

Description of additional precautions taken to minimize pollution effects if you are discharging to a high quality surface water:
INSERT TEXT HERE

SECTION 4: POLLUTION PREVENTION STANDARDS

4.1 Potential Sources of Pollution

Instructions (CGP 7.3.2.f.):

- Identify and list all potential sources of sediment, which may reasonably be expected to affect the quality of storm water discharges from the construction site.
- Identify and describe all potential sources of pollution or pollutant-generating activity (e.g., paving operations; concrete, paint, and stucco washout and waste disposal; solid waste storage and disposal), other than sediment, which could be exposed to rainfall or snowmelt, and may reasonably be expected to discharges from the construction site.

  For more information, see *SWPPP Guide*, Chapter 3.A.

Pollutant-Generating Activity	**Pollutants or Pollutant Constituents** (that could be discharged if exposed to storm water)	**Location on Site** (or reference SWPPP site map where this is shown)

[Include additional rows as necessary.]

4.2 Non-Storm Water Discharges

Instructions (CGP 7.3.4.):

- Identify all allowable sources of non-storm water discharges and how they will be controlled. A list of allowable non-storm water discharges are found in the CGP Part 1.2.3.
- For more information, see *SWPPP Guide*, Chapter 3.A.

Check allowable non-storm water discharges that are present and describe the measures used to reduce them or prevent them from contributing pollutants to discharges:

Authorized Non-Storm Water Discharges	Present	Comments/Controls
Discharges from emergency fire-fighting activities	☐ Y ☐ N	
Fire hydrant flushing	☐ Y ☐ N	
Properly managed landscape irrigation (excludes fertilizer injector systems)	☐ Y ☐ N	
Properly managed vehicle and equipment wash water with no soaps, solvents, or detergents	☐ Y ☐ N	
Water used to control dust	☐ Y ☐ N	
Drinking water, includes uncontaminated water line flushing	☐ Y ☐ N	
External building washdown with no soaps, solvents, detergents, or hazardous substances	☐ Y ☐ N	
Pavement wash waters with no detergents or toxic or hazardous materials. Must have a sediment basin, sediment trap, of similarly effective control prior to discharge.	☐ Y ☐ N	
Uncontaminated air conditioning or compressor condensate	☐ Y ☐ N	
Uncontaminated, non-turbid discharges of ground water (from natural sources) or spring water	☐ Y ☐ N	
Uncontaminated foundation or footing drains	☐ Y ☐ N	

4.3 Dewatering Practices

Instructions (CGP 1.2.5. and 2.3.7.):

If you will be discharging storm water that is removed from excavations, trenches, foundations, vaults, or other similar points of accumulation, it must be permitted by UPDES permit UTG070000 (Construction Dewatering and Hydrostatic Testing Permit) unless it can be managed onsite through percolation or evaporation. The permit can be found at https://deq.utah.gov/water-quality/current-updes-permits in the bottom table. Call DWQ at 801-536-4300 for more information.

- Include schedule and general locations of dewatering. Dewatering locations must be on the site map.

☐ Check box if section not applicable to this site (Note: If not applicable skip to next section)

Describe the general scope of dewatering practices for the project and any BMPs used to manage the dewatering practices:

INSERT TEXT HERE

4.3.1: (Place name of BMP here – reference to detailed instructions in Appendix H if necessary)

BMP Description:

Installation Schedule/Instructions:	
Maintenance and Inspection:	
Responsible Staff:	
Design Specifications and Drawings:	

4.4 Natural Buffers or Equivalent Sediment Controls

Instructions (CGP Part 7.3.5.b.(1), 2.2.1, and Appendix A):

This section only applies if a surface water is located within 50 feet your construction activities. If this is the case, review CGP Part 2.2.1. and Appendix A of the CGP for information on how to comply with the buffer requirements.

- Describe the compliance alternative that was chosen to meet the buffer requirements, and include any required documentation supporting the alternative selected. The compliance alternative selected must be maintained throughout the duration of permit coverage. However, if you select a different compliance alternative during your period of permit coverage, you must modify your SWPPP to reflect this change.
- If you qualify for one of the exceptions in CGP Part A.2.2., include documentation related to your qualification for such exceptions.
- Review Appendix A of the CGP for step-by-step instructions and examples on how to comply with the different buffer alternatives.

Buffer Compliance Alternatives

Are there any surface waters within 50 feet of your project's earth disturbances?

☐ YES ☐ NO

(Note: If "no", no further documentation is required. Delete the rest of Section 4.3 below this point.)

List the water body: INSERT TEXT HERE

Check the compliance alternative that you have chosen:

☐ I will provide and maintain a 50-foot undisturbed natural buffer around the surface water.

☐ It is infeasible to provide and maintain a full 50-foot undisturbed natural buffer. I will provide and implement erosion and sediment controls to achieve the required sediment load reduction for my conditions.

- Reason that a 50' buffer could not be maintained: INSERT TEXT HERE
- Width of buffer that will be retained: INSERT TEXT HERE
- Additional controls used to achieve equivalent sediment load reduction of a 50' buffer: INSERT TEXT HERE
- Description of the calculations and assumptions used to determine sediment load reductions: INSERT TEXT HERE

☐ The project qualifies as "small residential lot" disturbing less than an acre. The natural buffer is preserved in accordance with CGP A.2.3., storm water is treated by site erosion and sediment controls before discharge, natural buffers are shown on the site map, and buffer areas are marked on site. Select one of the 2 alternatives for small residential lots:

☐ Alternative 1: Using Table A-1 in CGP for requirements

- Width of buffer that will be retained: INSERT TEXT HERE
- Additional controls to be used: INSERT TEXT HERE

☐ Alternative 2: Using Tables A-2 through A-7 in CGP for requirements

- Width of buffer that will be retained: INSERT TEXT HERE
- Sediment Risk Level Determined: INSERT TEXT HERE
- Additional controls to be used: INSERT TEXT HERE

☐ I qualify for one of the exceptions in Part A.2.2. (If you have checked this box, provide information on the applicable buffer exception that applies, below.)

☐ There is no discharge of storm water through the area between the disturbed portions of the site and the surface water that is located within 50 feet.

☐ No natural buffer exists due to preexisting development disturbances that occurred prior to the initiation of planning for this project.

☐ For a linear project, site constraints (e.g., limited right-of-way) make it infeasible for me to meet any of the compliance alternatives.

- Reason it is infeasible: INSERT TEXT HERE
- Buffer width retained or supplemental controls used: INSERT TEXT HERE

☐ Buffer disturbances are authorized under a CWA Section 404 permit.

- Describe earth disturbances in buffer area: INSERT TEXT HERE

(Note: This exception does not apply to portions upland of the Section 404 permitted work.)

☐ Buffer disturbances will occur for the construction of a water-dependent structure or water access area (e.g., pier, boat ramp, and trail).

- Describe earth disturbances in buffer area: INSERT TEXT HERE

SECTION 5: EROSION AND SEDIMENT CONTROLS – BMPS

5.1 List of Erosion and Sediment BMPs on Site

Instructions (CGP Part 2.2. and 7.3.5):

- Identify best management practices (BMPs) that will be implemented on site to control erosion and sediment transport from storm water.
- Use the below CGP requirements and the pollutant generating activates identified in SWPPP section 4.1. to determine where BMPs are necessary. Fill out the rightmost column with BMPs you are selecting. Some requirements may not apply to your site.
- For each BMP you must provide a description of the control, any design specifications, routine maintenance specifications, a schedule for storm water control implementation/installation, and the staff responsible for maintaining the BMP. These details are listed in the BMP section below the table.
- BMPs are listed as examples, you may use BMPs not listed.
- Details and design specifications can be provided in this section or in Appendix H if they are large.
- Perimeter control maintenance must include removal of sediment before it has accumulated to one-half the above-ground height of the control.
- For more information, see *SWPPP Guide*, Chapter 4.
- BMP guidance may be found in your MS4's or other local jurisdiction's design manual, guidance manuals listed in Appendix D of the *SWPPP Guide*, or EPA's National Menu of BMPs https://www.epa.gov/npdes/national-menu-best-management-practices-bmps-stormwater#constr

CGP Requirement	Example BMPs	EPA SWPPP Guide Section	BMPs Selected (Name and Reference Number if applicable)
Preserve vegetation where possible and direct storm water to vegetated areas when feasible (CGP 2.2.2.)	Phasing to minimize disturbance, signs/fences to protect areas not being disturbed.	Chapter 4, ESC Principle 1	
Install sediment controls along perimeter areas that receive pollutant discharges (CGP 2.2.3.).	Silt fence, fiber rolls, earth berms	Chapter 4, ESC Principle 7	
Minimize sediment track-out (CGP 2.2.4.)	Restrict access, stabilize exits, track-out pads, tire washing station, clean-up sediments	Chapter 4, ESC Principle 9	
Manage stockpiles with perimeter controls and locate away from storm water conveyances (CGP 2.2.5.)	Sediment barriers downgradient, proper location, covered stockpiles, diverting storm water from stockpiles	Chapter 4, ESC Principle 4	

Minimize dust (CGP 2.2.6.)	Water application, mulching, chemical dust suppression techniques		
Minimize steep slope disturbance (CGP 2.2.7.)	Erosion control blankets, tackifiers, protect slopes from disturbance	Chapter 4, ESC Principle 5	
Preserve topsoil (CGP 2.2.8.)	Stockpile topsoil	Chapter 4, ESC Principle 1	
Minimize soil compaction where final cover is vegetation (CGP 2.2.9.)	Restrict vehicle access, recondition soils before seeding		
Protect storm drain inlets (CGP 2.2.10.)	Inserts, rock-filled bags, covers	Chapter 4, ESC Principle 6	
Slow down runoff with erosion controls and velocity dissipation devices (CGP 2.2.11.)	Check dams, riprap	Chapter 4, ESC Principle 3	
Appropriately design any sediment basins or impoundments (CGP 2.2.12.)	Design to 2-year 24-hour storm or 3,600 cubic feet per acre drained, include design specifications	Chapter 4, ESC Principle 8	
Follow requirements for any treatment chemicals (polymers, flocculants, coagulants, etc.)	Store in leak proof containers and cover, proper training, minimize use		
Stabilize exposed portions of site with 14 days of inactivity (CGP 2.2.14).	Seeding, erosion control blankets, gravel, hydromulch	Chapter 9	

5.1.1: (Place name of BMP here – reference to detailed instructions in Appendix H if necessary)

BMP Description/Instructions:	
Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	
Design Specifications and Drawings:	

5.1.2: (Place name of BMP here – reference to detailed instructions in Appendix H if necessary)	
BMP Description/Instructions:	
Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	
Design Specifications and Drawings:	

5.1.3: (Place name of BMP here – reference to detailed instructions in Appendix H if necessary)	
BMP Description/Instructions:	
Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	
Design Specifications and Drawings:	

5.1.4: (Place name of BMP here – reference to detailed instructions in Appendix H if necessary)	
BMP Description/Instructions:	
Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	
Design Specifications and Drawings:	

5.1.5: (Place name of BMP here – reference to detailed instructions in Appendix H if necessary)	
BMP Description/Instructions:	
Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	
Design Specifications and Drawings:	

[Repeat as needed]

5.2 Linear Site Perimeter Control Exemption

Instructions (CGP 7.3.5.b.(2)):

- For areas where perimeter controls are not feasible on a linear construction site, include a description of why it is not feasible and other practices that will be implemented to minimize discharges of pollutants from the site.

☐ Check box if section not applicable to this site (Note: If not applicable skip to next section)

If the site is linear and perimeter controls are not feasible, describe other practices in use:
INSERT TEXT HERE

5.3 Final Stabilization

Instructions (CGP 7.3.5.b.(6) and 2.2.14.b.):

- Describe procedures for final stabilization. If final cover is vegetation, you must establish uniform perennial vegetation that provides 70% or more of the vegetative cover that existed prior to earth-disturbing activities. Exception: Arid, semi-arid, and drought stricken areas are required to be seeded/planted so that the before mentioned vegetative requirement is expected to be met within 3 years. Establishment of vegetation is not required, however additional erosion controls may be needed.
- You can amend or add to this section as areas of your project are finally stabilized.
- Update your site plans to indicate areas that have achieved final stabilization.

Description of final stabilization practices and schedule:

Type of stabilization (vegetation/landscaped, graveled, paved, etc.)	Location	Implementation Schedule

SECTION 6: BMPS - POLLUTION PREVENTION/OPERATIONAL CONTROLS

6.1 Spill Prevention and Response

Instructions CGP Part 7.3.5.b.(7):

- Describe the spill prevention and control plan. Include ways to reduce the chance of spills, stop the source of spills, contain and clean up spills, dispose of materials contaminated by spills, and train personnel responsible for spill prevention and control.
- Some projects/site may be required to develop a Spill Prevention Control and Countermeasure (SPCC) plan under a separate regulatory program (40 CFR 112). If you are required to develop an SPCC plan, or you already have one, you should include references to the relevant requirements from your plan.
- The plan must include the materials and method of containment and for flowing liquid, cleanup, disposal and follow the minimum spill controls below.
- For more information, see *SWPPP Guide*, Chapter 5, P2 Principle 6.

Describe spill procedures and materials available for expeditious containment, clean-up and disposal of spills:

INSERT TEXT HERE OR REFERENCE DOCUMENT

Identify the employee responsible for detection and response of spills and leaks:

INSERT TEXT HERE

Any discharges in 24 hours equal to or in excess of the reportable quantities listed in 40 CFR 117, 40 CFR 110, and 40 CFR 302 will be reported to the National Response Center and the Division of Water Quality (DWQ) as soon as practical after knowledge of the spill is known to the permittees. The permittee shall submit within 14 calendar days of knowledge of the release a written description of: the release (including the type and estimate of the amount of material released), the date that such release occurred, the circumstances leading to the release, and measures taken and/or planned to be taken to the Division of Water Quality (DWQ), 288 North 1460 West, P.O. Box 144870, Salt Lake City, Utah 84114-4870. The Storm Water Pollution Prevention Plan must be modified within14 calendar days of knowledge of the release to provide a description of the release, the circumstances leading to the release, and the date of the release. In addition, the plan must be reviewed to identify measures to prevent the reoccurrence of such releases and to respond to such releases, and the plan must be modified where appropriate.

Agency	Phone Number
National Response Center	(800) 424-8802
Division of Water Quality (DWQ) 24-Hr Reporting	(801)-231-1769 (801) 536-4123
Utah Department of Health Emergency Response	(801) 580-6681

Material	Media Released To	Reportable Quantity
Engine oil, fuel, hydraulic & brake fluid	Land	25 gallons
Paints, solvents, thinners	Land	100 lbs (13 gallons)
Engine oil, fuel, hydraulic & brake fluid	Water	Visible Sheen
Antifreeze, battery acid, gasoline, engine degreasers	Air, Land, Water	100 lbs (13 gallons)
Refrigerant	Air	1 lb

6.2 Pollution Prevention Controls

Instructions (CGP Part 2.3. and 7.3.5):

- Describe the key good housekeeping and pollution prevention (P2) BMPs that will be implemented to control pollutants in storm water (CGP Part 2.3).
- Use the below CGP requirements and the pollutant generating activates identified in SWPPP section 4.1. which were not addressed with the erosion and sediment BMPs to determine where BMPs are necessary.
- For each BMP you must provide a description of the control, any design specifications, routine maintenance specifications, a schedule for storm water control implementation/installation, and the staff responsible for maintaining the BMP.
- BMPs are listed as examples, you may use BMPs not listed.
- Details and design specifications can be provided in this section or in Appendix H.
- For more information, see *SWPPP Guide*, Chapter 5.
- Consult your state's or local jurisdiction's design manual or resources in Appendix D of the *SWPPP Guide*.
- For more information or ideas on BMPs, see EPA's National Menu of BMPs https://www.epa.gov/npdes/national-menu-best-management-practices-bmps-stormwater#constr

CGP Requirements	Example BMPs	EPA SWPPP Guide Section	BMPs Selected (Name and Reference Number if applicable)
Equipment and vehicle fueling (CGP 2.3.1)	Spill kits, SPCCP, drip pans, locate activities away from conveyances, use secondary containment	Chapter 5, P2 Principle 4	
Equipment and vehicle washing (CGP 2.3.2.)	Locating away from surface waters and storm water conveyances, directing wash waters to a sediment basin or sediment trap, using filtration	Chapter 5, P2 Principle 5	

	devices		
Storage, handling, and disposal of building products and waste (CGP 2.3.3.)	Cover (plastic sheeting / temporary roofs), secondary containment, leakproof containers, proper dumpsters, secured portable toilets, locate away from storm water conveyances	Chapter 5, P2 Principle 1 and 2	
Washing of stucco, paint, concrete, form release oils, curing compounds, etc. (CGP 2.3.4.)	Leak proof containers, lined pits, locate away from storm water conveyances	Chapter 5, P2 Principle 3	
Properly apply fertilizer (CGP 2.3.5)	Follow manufacture specifications, document deviations in applications, avoid applications to frozen ground, before heavy rains, or to storm water conveyances		

6.2.1.: (Place name of BMP here – reference to detailed instructions in Appendix H if necessary)

BMP Description/Instructions:	
Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	
Design Specifications and Drawings:	

6.2.2.: (Place name of BMP here – reference to detailed instructions in Appendix H if necessary)

BMP Description/Instructions:	
Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	
Design Specifications and Drawings:	

6.2.3.: (Place name of BMP here – reference to detailed instructions in Appendix H if necessary)	
BMP Description/Instructions:	
Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	
Design Specifications and Drawings:	

6.2.4: (Place name of BMP here – reference to detailed instructions in Appendix H if necessary)	
BMP Description/Instructions:	
Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	
Design Specifications and Drawings:	

6.2.5: (Place name of BMP here – reference to detailed instructions in Appendix H if necessary)	
BMP Description/Instructions:	
Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	
Design Specifications and Drawings:	

6.2.6: (Place name of BMP here – reference to detailed instructions in Appendix H if necessary)	
BMP Description/Instructions:	
Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	
Design Specifications and Drawings:	

[Repeat as needed]

SECTION 7: SPECIAL CONDITIONS

Instructions:

The conditions listed below require additional details or actions added to your SWPPP. If they do not apply you may delete them from this SWPPP.

7.1 Emergency Related Projects

Instructions (CGP 1.1.5):

- For emergency activities that require immediate authorization but last longer than 30 days, a SWPPP may be submitted within 30 days of starting work.
- To be an emergency related project it must be considered a public emergency and the cause must be documented along with the description of necessary construction to reestablish effected public services.

Emergency-Related Project? ☐ Yes ☐ No

DESCRIBE THE NATURE OF THE PUBLIC EMERGENCY AND WHY IMMEDIATE AUTHORIZATION WAS NECESSARY.

7.2 UIC Class 5 Injection Wells

Instructions (CGP 7.3.8.):

- If you are using any of the following storm water controls at your site as they are described below, you must document any contact you have had with DWQ for implementing the requirements for underground injection wells in the Safe Drinking Water Act and DEQ's implementing regulation at UAC R317-7.
- There may be additional local requirements related to such structures
- For the State UIC Contact at DWQ call (801) 536-4300.

☐ Check box if section not applicable to this site (Note: If not applicable skip to next section)

Class V UIC Wells on site (all must be reported to DWQ for inventory):

☐ Infiltration trenches (if storm water is directed to any shaft or hole that is deeper than its widest surface dimension or has a subsurface fluid distribution system)

☐ Commercially manufactured pre-cast or pre-built subsurface detention vault/infiltration system

☐ Drywell, seepage pit, or improved sinkhole (if storm water is directed to any shaft or hole that is deeper than its widest surface dimension or has a subsurface fluid distribution system)

Description of your Class V Injection Well and any local requirements:

INSERT DESCRIPTION AND ANY DWQ OR LOCAL REQUIREMENTS

Description of any additional BMPs used in conjunction with the UIC well.	
7.2.1: (Place name of BMP here – reference to detailed instructions in Appendix H if necessary)	
BMP Description/Instructions:	
Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	
Design Specifications and Drawings:	

7.3 Chemical Treatment

Instructions (see CGP 2.2.13. and 7.3.5.b.(5)):

- If you are using treatment chemicals at your site, provide details for each of the items below. This information is required as part of the SWPPP requirements in CGP Part 7.2.9.b.

☐ Check box if section not applicable to this site (Note: If not applicable skip to next section)

Soil Types

List all the soil types (including soil types expected to be found in fill material) that are expected to be exposed during construction and that will be discharged to locations where chemicals will be applied: INSERT TEXT HERE

Treatment Chemicals

List all treatment chemicals that will be used at the site and explain why these chemicals are suited to the soil characteristics: INSERT TEXT HERE

Describe the dosage of all treatment chemicals you will use at the site or the methodology you will use to determine dosage: INSERT TEXT HERE

Provide information from any applicable Safety Data Sheets (SDS): INSERT TEXT HERE

Describe how each of the chemicals will stored: INSERT TEXT HERE

Include references to applicable state or local requirements affecting the use of treatment chemicals, and copies of applicable manufacturer's specifications regarding the use of your specific treatment chemicals and/or chemical treatment systems: INSERT TEXT HERE

Special Controls for Cationic Treatment Chemicals (if applicable)

If you have been authorized by DWQ to use cationic treatment chemicals, identify the specific controls and implementation procedures you are required to implement to ensure that your use of cationic treatment chemicals will not lead to a violation of water quality standards or harm aquatic life: INSERT TEXT HERE

Schematic Drawings of Storm Water Controls/Chemical Treatment Systems

Provide schematic drawings of any chemically-enhanced storm water controls or chemical treatment systems to be used for application of treatment chemicals: INSERT TEXT HERE

Training

Describe the training that personnel who handle and apply chemicals have received prior to permit coverage, or will receive prior to the use of treatment chemicals: INSERT TEXT HERE

SECTION 8: INSPECTIONS & CORRECTIVE ACTIONS

8.1 Inspections

Instructions (CGP Part 4.2-4.4.3):

- Select an inspection schedule. These are minimum frequencies, you may inspect more frequently. If so describe what your schedule would be.
- For more on this topic, see *SWPPP Guide*, Chapters 6 and 8.
- Also, see suggested inspection form in Appendix B of the *SWPPP Guide*.

Minimum Inspection Schedule Requirements:

Standard Frequency:
☐ Once every 7 calendar days.
☐ Once every 14 calendar days and within 24 hours of the end of a storm event of 0.5 inches or greater. Rain gauge/weather station used: Gauge or station for rainfall depth
Increased Frequency (if applicable):
☐ *Sites discharging to impaired or high quality waters:* Once every 7 calendar days and within 24 hours of the end of a storm event of 0.5 inches or greater.
Decreased Frequency (if applicable):
☐ *Arid areas:* once a month and within 24 hours of a 0.5 inch storm event or greater.
☐ *Semi-arid areas*: once a month and within 24 hours of a 0.5 inch storm event or greater during the dry season: List months for dry season (also select the inspection schedule followed outside of the dry season).
☐ *Frozen conditions with work suspended – must have 3 months of continuous expected frozen conditions based on historical averages:* no inspections List months of suspended inspections(also select the inspection schedule followed when not frozen)
☐ *Frozen conditions with continued activities - must have 3 months of continuous expected frozen conditions based on historical averages*: once per month List months of frozen conditions (also select the inspection schedule followed when not frozen)
Other:
☐ Describe alternative frequency: List alternative schedule, must meet minimum requirements

Inspection Reports are filed in Appendix C

8.2 Corrective Actions

Instructions:

- A sample corrective action report is provided in Appendix D.
- Whenever a storm water control requires repair or replacement (beyond routine maintenance), a control necessary for permit compliance was never installed or was installed incorrectly, your discharges cause an exceedance of applicable water quality standards, or a prohibitive discharge has occurred, you must log corrective actions taken.
- This log should describe actions taken, date completed, whether a SWPPP modification was required.
- In some cases corrective actions may be documented on the inspection form. This is an acceptable alternative as long as corrective actions that occur outside of inspections are also documented.

Correction Action Report is filed in Appendix D.

8.3 Delegation of Authority

Instructions:

- Identify the individual(s) or specifically describe the position where the construction site operator has delegated authority for the purposes of signing inspection reports, certifications, or other information in Section 1.1 of the SWPPP.
- Each inspection report must be signed in accordance with CGP Part 9.16 of the permit.
- If a delegation letter is necessary, see Appendix E of this template and keep a signed copy with this SWPPP.
- For more on this topic, see *SWPPP Guide*, Chapter 7.

See the signed delegation of authority forms in Appendix E.

SECTION 9: RECORDKEEPING

9.1 Recordkeeping

Instructions (CGP 7.3.10. and 9.10.):

- The following is a list of records you must have accessible on site (electronically or paper) for inspectors to review:
  - ✓ A copy of the construction general permit (Appendix I)
  - ✓ The signed and certified NOI form or permit application form (Appendix B)
- Copies of the SWPPP and all reports required by the permit must be retained for at least three years from the date that the site is finally stabilized.
- For more on this subject, see *SWPPP Guide*, Chapter 6.C.

9.2 Log of Changes to the SWPPP

Instructions (CGP Part 7.5.3):

- Create a log here of changes and updates to the SWPPP. You should include additions of new BMPs, replacement of failed BMPs, significant changes in the activities or their timing on the project, changes in personnel, changes in inspection and maintenance procedures, updates to site maps, and so on.
- Instead of using the table, SWPPPs can also be redlined to show changes as long as the redlines are initialed and dated.

Description of the Amendment	Date of Amendment	Amendment Prepared by [Name(s) and Title]

SECTION 10: CERTIFICATION

Instructions:

- The SWPPP should be signed and certified by the owner and/or the general contractor. Attach a copy of the NOI and a copy of the General Storm Water Permit for Construction Activity. You can get a copy of the General Storm Water Permit for Construction Activity on the same web page that this template was obtained (https://deq.utah.gov/water-quality/general-construction-storm-water-updes-permits)

Owner

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name: Title:

Signature: Date:

General Contractor

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name: Title:

Signature: Date:

SWPPP APPENDICES

Attach the following documentation to the SWPPP:

Appendix A – Site Maps

Appendix B – NOI

Appendix C – Inspection Reports

Appendix D –Corrective Action Report

Appendix E – Subcontractor Certifications/Agreements/Delegation of Authority (see CGP 9.16(1)b.)

Appendix F – Training Logs and Certifications (see CGP 6)

Appendix G – Additional Information (i.e., Other permits such as dewatering, stream alteration, wetland; and out of date swppp documents)

Appendix H – BMP Instruction and Detail Specifications

Appendix I – Construction General Permit

Appendix A: Site Maps

Include any site maps in this appendix. For site map requirements review SWPPP section 2.5.

Appendix B: NOI

Include a copy of your NOI in this appendix. The NOI must be signed.

Appendix C: Inspection Reports

Place all completed inspection reports in this appendix. You may also put blank inspection reports here to be completed.

You are encouraged to create your own inspection forms for each site. Inspection reports must have the following information:

1) The inspection date.
2) The UPDES ID number (UTRXXXXX).
3) Name and title of personnel making the inspections.
4) Summary of inspection findings and any necessary corrective actions:
    a. Are storm water controls properly installed and operational? If failed then why?
    b. Presence of any conditions that could lead to spills or leaks.
    c. Locations where new or modified controls are necessary.
    d. Signs of visible erosion or sediment depositing related to your discharges.
    e. Any incidents of noncompliance.
    f. Visual quality of any discharges occurring.
5) Rainfall amount if the inspection was trigger by a precipitation event.
6) If it was unsafe to inspect any areas of the site, a description of the area and reason.

Appendix D: Corrective Action Report

An example corrective action report has been included in this appendix. Review SWPPP section 8.2 for corrective action requirements. You can also create your own form or include corrective actions on your inspection form.

Appendix D – *Sample* Corrective Action Report

Inspection Date	Inspector Name(s)	Description of BMP Deficiency	Corrective Action Needed (including planned date/responsible person)	Date Action Taken/Responsible person

Appendix E: Subcontractor Certifications/Agreements/Delegation of Authority (CGP 9.16.(1)b.)

A sample subcontractor agreement form and delegation of authority form have been included in this appendix. If these are used, keep complete signed forms here.

SUBCONTRACTOR CERTIFICATION
STORM WATER POLLUTION PREVENTION PLAN

Project Number: _____

Project Title: _____

Operator(s): _____

As a subcontractor, you are required to comply with the Storm water Pollution Prevention Plan (SWPPP) for any work that you perform on-site. Any person or group who violates any condition of the SWPPP may be subject to substantial penalties or loss of contract. You are encouraged to advise each of your employees working on this project of the requirements of the SWPPP. A copy of the SWPPP is available for your review at request.

Each subcontractor engaged in activities at the construction site that could impact storm water must be identified and sign the following certification statement:

I certify under the penalty of law that I have read and understand the terms and conditions of the SWPPP for the above designated project and agree to follow the BMPs and practices described in the SWPPP.

This certification is hereby signed in reference to the above named project:

Company: _____

Address: _____

Telephone Number: _____

Type of construction service to be provided: _____

_____

_____

Signature: _____

Title: _____

Date: _____

Delegation of Authority

I, _____, hereby designate the person or specifically described position below to be a duly authorized representative for the purpose of overseeing compliance with environmental requirements, including the UPDES "General Permit for Storm Water Discharges Associated with Construction Activity" (CGP), at the construction site:

_____, Permit No. UTR_____

The designee is authorized to sign all reports required by the Permit and other information requested by the Director of the Utah Division of Water Quality, or by an authorized representative of the Executive Secretary.

Name of Person or Position: _____

Owner/Operator:_____

Mailing Address: _____

City, State, Zip Code: _____

Phone Number: _____

By signing this authorization, I confirm that I meet the requirements to make such a designation as set forth in Part 9.16 of the CGP, and that the designee above meets the definition of a "duly authorized representative" as set forth in Part 9.16.b. of the CGP.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name: _____

Title: _____

Signature: _____

Date: _____

Appendix F: Training Logs and Certifications (see CGP 6)

A sample training log has been included in this appendix to keep track of trainings that have been provided. At a minimum, storm water team members that require training should be provided with the following if it relates to their duties (CGP Part 6.3.):

- The permit deadlines associated with installation, maintenance, and removal of storm water controls and with stabilization;
- The location of all storm water controls on the site required by this permit and how they are to be maintained;
- The proper procedures to follow with respect to the permit's pollution prevention requirements; and
- When and how to conduct inspections, record applicable findings, and take corrective actions

Certifications for SWPPP inspectors or writers can also be placed in this appendix.

Appendix F – *Sample* SWPPP Training Log

Storm Water Pollution Prevention Training Log

Project Name:

Project Location:

Instructor's Name(s):

Instructor's Title(s):

Course Location: _____ Date: _____

Course Length (hours): _____

Storm Water Training Topic: *(check as appropriate)*

- ❑ **Erosion Control BMPs**
- ❑ **Emergency Procedures**
- ❑ **Sediment Control BMPs**
- ❑ **Good Housekeeping BMPs**
- ❑ **Non-Storm Water BMPs**

Specific Training Objective:_____

_____

Attendee Roster: *(attach additional pages as necessary)*

No.	Name of Attendee	Company
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

Appendix G: Additional Information

Use this appendix for additional information such as other permits (dewatering, stream alteration, etc.) or out of date SWPPP documents.

Appendix H: BMP Instruction and Detail Specifications

Use this appendix if complete BMP specifications are not provided in Section 5 or 6 of the SWPPP.

Appendix I: Construction General Permit

If all storm water team members access the CGP via the internet while on site the following link to access the Construction General Permit is sufficient:

http://construction.stormwater.utah.gov

Otherwise, include a printed out copy of the Construction General Permit in this appendix.

(This SWPPP Template is for the **Common Plan** Permit Only, and

does **NOT** address SWPPP requirements found in the CGP.)

Common Plan SWPPP for

Facility Site/Project Name

Facility Site/Project Address

Facility Site/Project City, State, Zip

Owner/Contractor Street Address

Owner Street Address

Owner City, State, Zip

Contractor Name (if not the same as Owner)

Contractor Street Address

Contractor City, State, Zip

Date

SWPPP Preparation Date

1. Project Information

Project Name: Click here to enter text.
Address: Click here to enter text.
City: Click here to enter text. **State:** UT **Zip:** Zip Code
Latitude: Degrees, Decimal Minutes
Longitude: Degrees, Decimal Minutes
UPDES Permit Tracking Number: Click here to enter text.

Owner: Click here to enter text.
Contact Person: Click here to enter text.
Address: Click here to enter text.
City: Click here to enter text. **State:** State **Zip:** Zip Code
Telephone Number: Contact Person Phone
Email Address: Contact Person Email

General Contractor: Click here to enter text.
Contact Person: Click here to enter text.
Address: Click here to enter text.
City: Click here to enter text. **State:** State **Zip:** Zip Code
Telephone Number: Contact Person Phone
Email Address: Contact Person Email

Answering "yes" to the question below means the project is not eligible for this permit.
Is the project in Indian Country? **Yes** ☐ **No** ☐

Answering "no" to the question below means the project is not eligible for this permit.
Is the project a residential building on a single lot and disturbing one acre or less? **Yes** ☐ **No** ☐

2. Pollution Sources/Best Management Practices

Answer yes or no whether the following features are located at your site. If yes, select the BMP(s) that will be used to protect each feature. If no, continue to the next question. Attach necessary illustrated details for proper installation in Appendix G, and show locations of all controls on Site Map in Appendix A.

2.1 **Is there a SWPPP sign on site?** (see permit part 1.10) **Yes** ☐ **Required**
The sign must include the UPDES tracking number, the owner or general contractor name, phone number and email, and if the SWPPP is on-line, instructions on how to view it. The size requirement is to be readable from a publicly accessible point.

2.2 **Will there be construction dewatering on the site?** (see permit part 2.7) **Yes** ☐ **No** ☐
BMP(s): ☐ Dewatering of the construction area is needed and a separate dewatering permit has been obtained to treat and discharge water. *Construction Dewatering (if discharged offsite) must be covered by UPDES Permit UTG070000.*
☐ Water from the dewatering of the construction area will be infiltrated on site.

2.3 **Will there be non-storm water discharges on the site?** (see permit part 1.3) **Yes** ☐ **No** ☐
Allowable discharges include: Flushing of drinking water or irrigation water (not including wash or cleaning waters), water used for dust control, spring water or groundwater not exposed to construction activities, water from emergency fire-fighting activities, and water from foot drains not exposed to construction activities. (see permit part 2.4.5 & 2.9).

Please list all anticipated non-storm water discharges: Click here to enter text.
What will you do to manage the non-storm water discharges? *Please list direct discharges, contained non-storm water discharges, and discharges that are treated separately.*

BMP(s):
- ☐ All non-storm water discharges are listed as allowable per permit part 1.3 and discharged
- ☐ All non-storm water discharges that are not allowed are properly contained (see questions 2.12 and 2.16)
- ☐ All non-storm water discharges that are contaminated with sediment only (free of chemicals, oils, etc.) will be treated in a sediment basin or equivalent (see permit part 2.8.1).
- ☐ Other: Click here to enter text.

2.4 **Is it possible for the total area of disturbance to be phased, minimizing the total exposure of disturbed soil at one time?** (see permit part 2.3.1) **Yes** ☐ **No** ☐

If disturbance can be minimized please show the locations on the site map and summarize (here) where disturbances will be delayed for some of the disturbed area: Click here to enter text.

2.5 **What perimeter controls will be used to prevent sediment from leaving the site?** (permit part 2.1.2 & 2.3)

BMP(s):
- ☐ Silt Fence
- ☐ Berms
- ☐ Vegetative Buffer
- ☐ Cut-Back-Curb
- ☐ Staked straw Wattles (Fiber Rolls)
- ☐ Weighted Wattles
- ☐ Other: Click here to enter text.

2.6 **Are surface waters located within 30 feet of your project's earth disturbances?** **Yes** ☐ **No** ☐

Note: *A 30' natural vegetative buffer MUST be maintained by water bodies. If a buffer less than 30' is used, you must demonstrate that the additional controls offer the same protection as a 30' natural vegetative buffer, and select the reason for exemption below.* (see permit part 2.3.5)

BMP(s):
- ☐ 30' Natural Vegetative Buffer

If less than 30' Natural Vegetative Buffer select additional Controls:
- ☐ 2 Silt Fence Barrier
- ☐ 2 Straw Wattle Barriers (Fiber Roll)
- ☐ Other: Click here to enter text.

2.7 **Are there critical or sensitive areas (such as preservation of the drip lines around trees, wetlands, buffer zones by water bodies, etc.) located on or adjacent to the site?** (see permit part 2.2) **Yes** ☐ **No** ☐

BMP(s):
- ☐ Separate and isolate with environmental fencing
- ☐ Other: Click here to enter text.

2.8 **What track out control will be used to prevent dirt from being tracked on streets as vehicles leave the site?** (see permit part 2.4.1)

BMP(s):
- ☐ Track Out Pad
- ☐ Cobble
- ☐ Gravel
- ☐ Rumble Strips
- ☐ Wash Down Pad
- ☐ Delivery Pad
- ☐ Restricted Site Access
- ☐ Selective Access During Dry Weather (Dry soil)
- ☐ Other: Click here to enter text.

2.9 **Do you have storm drain inlets on or down gradient of this site?** (see permit part 2.1.3) **Yes** ☐ **No** ☐

Protection must address the curb inlet opening (throat) as well as the grate.

Where is/are the nearest downstream inlet(s) and how will you protect them: Click here to enter

text.

BMP(s):
- ☐ Rock/Sand-filled Bags
- ☐ Drop Inlet Bags
- ☐ Filter Fabric
- ☐ Gravel or Sand filled Wattles
- ☐ Proprietary inlet devices
- ☐ Other: Click here to enter text.

2.10 **Will curb ramps be used at the site?** (see permit part 2.4.2) **Yes** ☐ **No** ☐

If curb ramps are used it must be done with material [not dirt] that will not wash away in storm water.

BMP(s):
- ☐ Crushed Rock
- ☐ Wood/Steel Ramps
- ☐ Other: Click here to enter text.

2.11 **Will there be stockpiles or spoil piles on the site?** **Yes** ☐ **No** ☐

Note: *Select "Contained by other BMP" if another BMP on your site will contain runoff from the stockpiles. Materials that can be transported with precipitation must not be placed in the street.* (see permit part 2.1.1)

BMP(s):
- ☐ Surrounded by Silt Fence
- ☐ Surrounded by Staked Straw Wattles
- ☐ Covered with Tarp
- ☐ Temporary – Removed same day
- ☐ Contained by other BMP. Explain: Click here to enter text.
- ☐ Other: Click here to enter text.

2.12 **Does the project include installation of concrete, masonry, stucco, and paint (water based)work in this project?** (see permit part 2.4.5 & 2.9.1) **Yes** ☐ **No** ☐

Wash water must be contained, the solids dried, and disposed of at a landfill.

BMP(s):
- ☐ Lined Depression
- ☐ Steel Dumpster
- ☐ Regional Washout (per development)
- ☐ Other: Click here to enter text.

2.13 **How will solid waste be dealt with on the site?** (see permit part 2.4.3)

Light trash in uncovered dumpsters can blow out and scatter with wind and rain may fall on uncovered leachable material in the dumpster and leak out the bottom causing pollutants to escape.

BMP(s):
- ☐ Bag Lightweight Trash
- ☐ Leak Proof Dumpsters
- ☐ Receptacles with Lids
- ☐ Other: Click here to enter text.

2.14 **Will there be a need to dispose of solvents, oil, fuel, etc. liquid waste?** (see permit part 2.9) **Yes** ☐ **No** ☐

BMP(s):
- ☐ Contained and Removed from the site
- ☐ Collected for Reuse
- ☐ Other: Click here to enter text.

2.15 **How will sanitary waste be handled on the site?** (see permit part 2.4.4)

BMP(s):
- ☐ Portable Toilet(s) *(must be staked down on dirt surface & 10' from curb)*
- ☐ Onsite or Adjacent Indoor Bathrooms
- ☐ Portable Toilet Secondary Containment (secured down with straps to heavy weights)
- ☐ Other: Click here to enter text.

2.16 **How will you minimize the discharge of pollutants from spills and leaks?** (see permit part 2.8.3)

BMP(s):
- ☐ Use of drip pans
- ☐ Offsite fueling, and maintenance
- ☐ Spill kit
- ☐ Spill response plan.
- ☐ Other: Click here to enter text.

2.17 **Will there be a need to store construction materials on site?** (see permit 2.8.2) **Yes** ☐ **No** ☐

Minimize the exposure of materials with a pollution risk (certain building and landscaping materials, fertilizers, pesticides, herbicides, detergents).

BMP(s):
- ☐ Covering Erodible or Liquid Materials
- ☐ Secondary Containment
- ☐ Strategic Storage and Staging
- ☐ Stored off-site
- ☐ Enclose them in a weather proof shed.
- ☐ Other: Click here to enter text.

2.18 **Does your site have steep slopes (greater than 70%)?** (see permit part 2.3.2) **Yes** ☐ **No** ☐

BMP(s):
- ☐ Erosion Control Blanket
- ☐ Avoid Disturbance on slope
- ☐ Seeding
- ☐ Hydroseed
- ☐ Mulch
- ☐ Takifiers
- ☐ Other: Click here to enter text.

2.19 **Are there site conditions that cause storm water flows with highly erosive velocities?** (see permit parts 2.3.3 and 2.3.4) **Yes** ☐ **No** ☐

Flows must be controlled to minimize sediment transport.

BMP(s):
- ☐ Gravel Check Dam
- ☐ Straw Wattles (Fiber Rolls) Check Dam
- ☐ Divert Flows around the Site
- ☐ Armored channel (riprap, geotextile, other)
- ☐ Other: Click here to enter text.

2.20 **How will you reduce storm water volume to minimize sediment transport, channel and stream bank erosion?** (see permit parts 2.3.4 and 2.3.3)

BMP(s):
- ☐ Utilize basin, depression storage of storm water, cut back curb, or other to hold and infiltrate.
- ☐ Prevent heavy equipment (as much as possible) from compacting soil so storm water will infiltrate easier.
- ☐ Rip soil after heavy equipment has caused compaction.
- ☐ Other: Click here to enter text.

2.21 **Is there a need for dust control on the site (regulatory or for practical reasons)?** **Yes** ☐ **No** ☐

BMP(s):
- ☐ Wetting with Water
- ☐ Cover dirt piles with a tarp
- ☐ Use Magchloride, Calcium Chloride or Lignan Sulfonate
- ☐ Stabilize surface with mulch, gravel or other surface cover
- ☐ Other: Click here to enter text.

2.22 **Will there be disturbed areas on the site that will need to be temporarily stabilized before the project is completed?** (see permit part 2.6) **Yes** ☐ **No** ☐

Places that are disturbed and then left for over 14 days with no activity, must be temporarily or permanently stabilized.

BMP(s):
- ☐ Bark or other mulch
- ☐ Hydro-mulch
- ☐ Seeding
- ☐ Tackifier
- ☐ Staked netting with straw mulch
- ☐ Other: Click here to enter text.

2.23 **Will the house be sold without any landscaping?** **Yes** ☐ **No** ☐

If so, how will you leave the site for the new home owner so sediment will be contained on site until the home owner completes landscaping? *(the permit can be terminated when the owner occupies the house even though the site is not stabilized).*

BMP(s):
- ☐ Mulching/Hydro-mulching
- ☐ Swales
- ☐ Silt Fence

☐ Wattles ☐ Cut-Back-Curb ☐ Seeding
☐ Vegetated Buffer ☐ Grade Front-Yard Lower than Sidewalk
☐ Other: Click here to enter text.

3. Sequence of Construction Activity

Type of Construction Activity	Approximate Date Range
Start/End of the Project	
Excavation activities	
Foundation/Footings	
Backfill	
Erection of Building	
Utility Lines installed (you may need to separate this into Plumbing lines, electrical lines, gas lines, water lines, Internet lines, etc.)	
Insert more rows for any stage that should be included	
Landscaping (if the house is sold or occupied by owner with landscaping, if not landscaping should not be included)	

4. Site Map

On a blank page (or include a page from the architectural drawings that show site layout and dimensions), please draw a map (and place this map in Appendix A) showing the layout of the site including locations of:

1. boundaries of project/property
2. boundaries of disturbance (including areas outside of property boundaries)
3. show slopes on site (if there are steep areas show steep areas)
4. location of structures/facilities
5. locations of :
    a. stockpiles for soils and materials
    b. construction supplies
    c. portable toilets
    d. garbage/trash containers
    e. egress points/track out pads
    f. concrete washout pits or containers
6. water bodies, wetlands, natural vegetative buffers

7. placement of all BMPs, perimeter, erosion control, sediment control, inlet protection, etc.
8. storm water inlets and storm water discharge points (where storm water drains off the site)
9. areas that will be temporarily or permanently stabilized on the site
10. areas where disturbances will be delayed to minimize total exposed surface at one time.

5. Potential Sources of Pollutants

Potential sources of sediment to storm water runoff:

- Clearing and grubbing operations
- Grading and site excavation operations
- Vehicle tracking
- Topsoil stripping and stockpiling
- Landscaping operations

Potential pollutants and sources, other than sediment, to storm water runoff:

- Combined Staging Area—small fueling activities, minor equipment maintenance, sanitary facilities, and hazardous waste storage.
- Materials Storage Area—general building materials, solvents, adhesives, paving materials, paints, aggregates, trash, and so on.
- Construction Activity—paving, curb/gutter installation, concrete pouring/mortar/stucco, and building construction
- Concrete Washout Area

For all potential construction site pollutants, see Table 2 below.

Table 2. Potential construction site pollutants. Circle all that applies to your site and in the last column identify pollution prevention measures to minimize their discharge.

Material/Chemical	Storm Water Pollutants	Common Location*	Pollution Prevention Methods
Pesticides (insecticides, fungicides, herbicides, rodenticide)	Chlorinated hydrocarbons, organophosphates, carbamates, arsenic	Herbicides used for noxious weed control	
Fertilizer	Nitrogen, phosphorous	Newly seeded areas	
Plaster	Calcium sulphate, calcium carbonate, sulfuric acid	Building construction	
Cleaning solvents	Perchloroethylene, methylene chloride, trichloroethylene, petroleum distillates	No equipment cleaning allowed in project limits	
Asphalt	Oil, petroleum distillates	Streets and roofing	
Concrete	Limestone, sand, pH, chromium	Curb and gutter, building construction	
Glue, adhesives	Polymers, epoxies	Building construction	

Material/Chemical	Storm Water Pollutants	Common Location*	Pollution Prevention Methods
Paints	Metal oxides, Stoddard solvent, talc, calcium carbonate, arsenic	Building construction	
Curing compounds	Naphtha	Curb and gutter	
Wood preservatives	Stoddard solvent, petroleum distillates, arsenic, copper, chromium	Timber pads and building construction	
Hydraulic oil/fluids	Mineral oil	Leaks or broken hoses from equipment	
Gasoline	Benzene, ethyl benzene, toluene, xylene, MTBE	Secondary containment/staging area	
Diesel Fuel	Petroleum distillate, oil & grease, naphthalene, xylenes	Secondary containment/staging area	
Kerosene	Coal oil, petroleum distillates	Secondary containment/staging area	
Antifreeze/coolant	Ethylene glycol, propylene glycol, heavy metals (copper, lead, zinc)	Leaks or broken hoses from equipment	
Sanitary toilets	Bacteria, parasites, and viruses	Staging area	

*(Area where material/chemical is used on-site)

6. Spill Prevention and Response Plan

Describe the spill prevention and control plan to include ways to reduce the chance of spills, stop the source of spills, contain and cleanup spills, dispose of materials contaminated by spills, and train personnel responsible for spill prevention and control. Additionally, fill in all **BLUE** fields below.

Spill Plan:

Click here to enter text.

Any discharges in 24 hours equal to or in excess of the reportable quantities listed in 40 CFR 117, 40 CFR 110, and 40 CFR 302 will be reported to the National Response Center and the Division of Water Quality (DWQ) as soon as practical after knowledge of the spill is known to the permittee. The permittee shall

submit within 14 calendar days of knowledge of the release a written description of: the release (including the type and estimate of the amount of material released), the date that such release occurred, the circumstances leading to the release, and measures taken and/or planned to be taken to the Division of Water Quality (DWQ), 288 North 1460 West, P.O. Box 144870, Salt Lake City, Utah 84114-4870. The Storm Water Pollution Prevention Plan must be modified within14 calendar days of knowledge of the release to provide a description of the release, the circumstances leading to the release, and the date of the release. In addition, the plan must be reviewed to identify measures to prevent the reoccurrence of such releases and to respond to such releases, and the plan must be modified where appropriate.

Agency	Phone Number
National Response Center	(800) 424-8802
Division of Water Quality (DWQ) 24-Hr Reporting	(801) 538-6146; (801) 536-4123
Utah Department of Health Emergency Response	(801) 580-6681
Local Fire Department	(XXX) XXX-XXXX

Minimum spill quantities requiring reporting:

Material	Media Released To	Reportable Quantity
Engine oil, fuel, hydraulic & brake fluid	Land	25 gallons
Paints, solvents, thinners	Land	100 lbs (13 gallons)
Engine oil, fuel, hydraulic & brake fluid	Water	Visible Sheen
Refrigerant	Air	1 lb
Antifreeze, battery acid, gasoline, engine degreasers	Air, Land, Water	100 lbs (13 gallons)

Emphasis to:

1st Priority: Protect all people (including onsite staff)
2nd Priority: Protect equipment and property
3rd Priority: Protect the environment

1. Make sure the spill area is safe to enter and that it does not pose an immediate threat to health or safety of any person.
2. Check for hazards (flammable material, noxious fumes, cause of spill) – if flammable liquid, turn off engines and nearby electrical equipment. If serious hazards are present leave area and call 911. LARGE SPILLS ARE LIKELY TO PRESENT A HAZARD.
3. Stop the spill source and contain flowing spills immediately with spill kits, dirt or other material that will achieve containment.
4. Call co-workers and supervisor for assistance and to make them aware of the spill and potential dangers
5. If spilled material has entered a storm sewer, regardless of containment; contact the City Storm Water Division.
6. Cleanup all spills (flowing or non-flowing) immediately following containment. Clean up spilled material according to manufacturer specifications, for liquid spills use absorbent materials AND DO NOT FLUSH AREA WITH WATER.

7. Properly dispose of cleaning materials and used absorbent material according to manufacturer specifications.
8. Report the reportable quantity to the XXXXXXXXXX City Storm Water Division.

Emergency Numbers

Utah Hazmat Response Officer 24 hrs	(801)-538-3745
City Police Department	(XXX) XXX-XXXX
City Engineering Division	(XXX) XXX-XXXX

7. SWPPP, Inspections and Corrective Action Reports

Inspection Schedule and Procedures: The permit requires inspections once a week (see permit Part 3). You must list and provide details of your BMPs in Appendix G. Inspection reports require reporting on BMPs and how effective they are (download inspection reports from the DWQ construction storm water website under the Common Plan Permit). You may be required to maintain, modify, remove, or apply/install more or different BMPs to control pollutants on the site. Please number your BMPs in Appendix G and refer to those numbers on your inspection reports and corrective action reports when you inspect or report on them.

Describe the general procedures for correcting problems when they are identified. Include responsible staff and time frames for making corrections:

Click here to enter text.

Inspections and Corrective Actions: All inspections and corrective actions must be logged using the "Inspection/Correction Action Log" attached in Appendix E. The log should be filled out completely for each BMP.

8. Training of Sub-Contractors

All sub-contractors, installers of utility connections, and others that perform activities that are affected by permit requirements will be informed about permit requirements that pertain to their scope of work.

Sub-Contractors that have been informed:

Contractor	Date	Topic(s) Covered	Initials of Trainer
Excavator			
Gas utilities			
Plumbing connection			
Electrical connection			

Concrete foundation walls			
Concrete flat work			
Landscaper			
Other: Click here to enter text.			
Other: Click here to enter text.			
Other: Click here to enter text.			
Other: Click here to enter text.			

9. Changes to the SWPPP

All changes to this SWPPP must be redlined, dated, and initialed in the SWPPP document and on the site map.

10. Record Keeping

The following items should be kept at the project site available for inspectors to review:

1. A copy of the Common Plan Permit (Appendix B)
2. The signed and certified NOI form (Appendix C)
3. Inspection reports (Appendix E)

11. Delegation of Authority (if any)

Duly Authorized Representatives or Positions:

Company/Organization: Company of Representative.
Name: Authorized Representative Name.
Position: Representative Title.
Address: Click here to enter text.
City: Click here to enter text. State: State Zip: Zip Code
Telephone: (XXX) XXX-XXXX Fax/Email: (XXX) XXX-XXXX

Owner/General Contractor Signature:_____ Date:_____

Additional Duly Authorized Representatives or Positions:

Company/Organization: Company of Representative.
Name: Authorized Representative Name.
Position: Representative Title.
Address: Click here to enter text.
City: Click here to enter text. State: State Zip: Zip Code
Telephone: (XXX) XXX-XXXX Fax/Email: (XXX) XXX-XXXX

Owner/General Contractor Signature:_____ Date:_____

12. Discharge Information

Does your project/site discharge storm water into a Municipal Separate Storm Sewer System (MS4)?

☐ Yes ☐ No

Municipal Storm Drain System receiving the discharge from the construction project: Click here to enter text.

Receiving Waters (look up http://mapserv.utah.gov/surfacewaterquality/ to identify your receiving water body). If you discharge to a MS4 you may need to contact them to determine the receiving water that their system outfalls to.

Enter the name(s) of the first surface water(s) that receives storm water directly from your site and/or from the MS4 listed above. **Note:** *multiple rows provided in the case that your site has more than one point of discharge in which each flows to different surface waters.*

1. Click here to enter name of receiving waters.
2. Click here to enter name of receiving waters.
3. Click here to enter name of receiving waters.
4. Click here to enter name of receiving waters.

Impaired Waters (refer to http://mapserv.utah.gov/surfacewaterquality/ in the left hand column to determine status of receiving water body).

Select any impaired surface water(s) that your site will discharge to, either directly or through the MS4 selected above.

Impaired Surface Water	Is this surface water impaired?	Pollutant(s) causing the impairment	Has a TMDL been completed?	Pollutant(s) for which there is a TMDL
Click here to enter text.	☐ Yes ☐ No	Click here to enter text.	☐ Yes ☐ No	Click here to enter text.
Click here to enter text.	☐ Yes ☐ No	Click here to enter text.	☐ Yes ☐ No	Click here to enter text.

13. Certification and Notification

I, Name of Authorized Construction Operator Representative, certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

X _____

Construction Operator:

This SWPPP should be signed and certified by the construction operator(s).

SWPPP Appendices

Ensure the following documentation is attached to the SWPPP:

Appendix A: SWPPP Site Maps

Appendix B: Common Plan Permit

Appendix C: Notice of Intent (NOI), and a copy of the NOT form unless you plan to terminate the permit on-line

Appendix D: Daily Site Check Log

Appendix E: Inspection Reports and Corrective Actions

Appendix F: Additional Information (i.e. permits such as local permits, dewatering, stream alteration, wetland, and out of date SWPPP documents, delegation of authority forms, etc.)

Appendix G: BMP Specifications and Details (label BMPs to match the sections identified in this document.)

APPENDIX A: SWPPP Site Maps

APPENDIX B: Common Plan Permit

Find the permit on https://deq.utah.gov/water-quality/general-construction-storm-water-updes-permits

APPENDIX C: Notice of Intent and Termination.

Find the Notice of Termination Form at https://deq.utah.gov/water-quality/general-construction-storm-water-updes-permits

However, termination of the project can be done on-line at https://secure.utah.gov/stormwater

(You must log in using the same username that you applied for your NOI with. If you completed a paper NOI you must complete a paper NOT.)

APPENDIX D: Daily Self-Inspection Log (permit part 3.2.2).

Daily Inspection Log

Date	Initials	Date	Initials	Date	Initials	Date	Initials

APPENDIX E: Inspection Reports

Include BMPs inspected even if they are in good condition. Corrections must be completed before the next weekly inspection.

Weekly Inspection/Corrective Action Log							
Date & Time of Inspection	**Weather**	**BMP # and Name**	**Description of BMP Condition or Deficiency**	**Initial**	**Correction Date (MM/DD/YY)**	**How the BMP was Corrected**	**SWPPP Changed (Y/N)**

APPENDIX F: Additional Information

For permits such as local permits, dewatering, stream alteration, wetland, and out of date SWPPP documents, delegation of authority forms, etc.

Delegation of Authority

I, _____ (name), hereby designate the person or specifically described position below to be a duly authorized representative for the purpose of overseeing compliance with environmental requirements, including the Common Plan Permit, at the _____ construction site. The designee is authorized to sign any reports, stormwater pollution prevention plans and all other documents required by the permit.

_____ (name of person or position)

_____ (company)

_____ (address)

_____ (city, state, zip)

_____ (phone)

By signing this authorization, I confirm that I meet the requirements to make such a designation as set forth in _____ (Reference State Permit), and that the designee above meets the definition of a "duly authorized representative" as set forth in _____ (Reference State Permit).

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name:

Company:

Title:

Signature:

Date:

APPENDIX G: BMP Specifications and Details

Label BMPs to match the sections identified in this document.

Below are links to various Construction Storm Water BMP Manuals for reference.

Salt Lake County
http://slco.org/uploadedFiles/depot/publicWorks/engineering/final_bmp_constructi.pdf
BEST MANAGEMENT PRACTICES FOR CONSTRUCTION ACTIVITIES

Davis County
http://www.daviscountyutah.gov/docs/librariesprovider20/default-document-library/stormwater-best-management-practices.pdf?sfvrsn=c9cd4053_2
A Guide to Stormwater Best Management Practices

Nevada DOT
https://www.nevadadot.com/home/showdocument?id=9417
Stormwater Quality Manuals: Construction Site Best Management Practices (BMPs) Manual

Caltrans
http://www.dot.ca.gov/hq/construc/stormwater/CSBMP-May-2017-Final.pdf
Construction Site Best Management Practices (BMP) Manual

Oregon
http://www.oregon.gov/deq/FilterPermitsDocs/BMPManual.pdf
Construction Stormwater Best Management Practices Manual

Los Angeles
http://dpw.lacounty.gov/cons/specs/BMPManual.pdf
Construction Site Best Management Practices (BMPs) Manual

Maricopa County (Arizona)
https://www.maricopa.gov/DocumentCenter/View/2368/2015-03-Drainage-Design-Manual-for-Maricopa-County-Volume-III-Erosion-pdf
Drainage Design Manual for Maricopa County (Erosion Control)

Minnesota
https://www.pca.state.mn.us/sites/default/files/wq-strm2-09.pdf
Stormwater Compliance Assistance Toolkit for Small Construction Operators

STATE OF UTAH, DEPARTMENT OF ENVIRONMENTAL QUALITY, DIVISION OF WATER QUALITY
195 North 1950 West, P.O. Box 144870, Salt Lake City, Utah 84114-4870 (801) 536-4300

NOI

Notice of Intent (NOI) for Storm Water Discharges Associated with Construction Activity Under the UPDES General Permit No. UTRC00000 or No. UTRH00000 SEE REVERSE FOR INSTRUCTIONS

Submission of this Notice of Intent constitutes notice that the party(s) identified in Section I of this form intends to be authorized by UPDES General Permit No. UTR000000 issued for storm water discharges associated with construction activity in the State of Utah. Becoming a permittee obligates such discharger to comply with the terms and conditions of the permit. ALL NECESSARY INFORMATION MUST BE PROVIDED ON THIS FORM.

PERMIT PERIOD — Permit Start Date: (automatic) Permit Expiration Date: (automatic)

PERMIT TYPE

Construction General Permit (CGP, this permit covers any construction project): ..... ☐

Common Plan Permit (this only covers single lot residential construction disturbing less than an acre): ..... ☐

Is this NOI seeking continuation for previously expired permit coverage at the same site? Y ☐ N ☐

If yes, what is the number of the previous permit coverage? Permit No. UTR_____

I. OWNER INFORMATION

Owner Name: _____ Phone: _____

Address: _____ Status of Owner: _____(see instructions)

City: _____ State: _____ Zip: _____

Contact Person: _____ Phone: _____

GENERAL CONTRACTOR: _____ Phone: _____

Address: _____ Status of General Contractor: _____

City: _____ State: _____ Zip: _____

Contact Person: _____ Phone: _____

II. FACILITY SITE / LOCATION INFORMATION

Is the facility located in Indian Country? Y ☐ N ☐

Name: _____

Project No. (if any): _____

Address: _____ County: _____

City: _____ State: _____ Zip: _____

Latitude: _____ _____ _____ Longitude: _____ _____ _____

Method (check one): USGS Topo Map, Scale _____ EPA Web site ☐ GPS ☐ Other _____

III. SITE INFORMATION

Municipal Separate Storm Sewer System (MS4) Operator Name: _____

Receiving Water Body: _____ this is known ☐ this is a guess ☐ (see http://wq.deq.utah.gov/)

Estimate of distance to the nearest water body? _____ ft. ☐ miles. ☐

Is the receiving water designated as impaired or high quality water body (see http://wq.deq.utah.gov/)? Yes ☐ No ☐

List the Number of any other UPDES permits at the site: _____ _____

IV. THIS SECTION IS ONLY FOR PROJECTS INVOLVED IN DEVELOPMENT OF A SUBDIVISION.

List the lots proposed for the development (please add another sheet of paper if there is not enough room to list all lots).

INSTRUCTIONS

Notice Of Intent (NOI) For Permit Coverage Under the UPDES General Construction Permit (CGP) or Common Plan Permit

Who Must File A Notice Of Intent (NOI) Form State law at UAC R317-8-3.9 prohibits point source discharges of storm water from construction activities to a water body(ies) of the State without a Utah Pollutant Discharge Elimination System (UPDES) permit. The owner and the general contractor of a construction activity that has such a storm water discharge must submit a NOI to obtain coverage under the UPDES Storm Water General Permit. If you have questions about whether you need a permit under the UPDES Storm Water program, or if you need information as to whether a particular program is administered by EPA or a state agency, contact the storm water coordinator at (801) 536-4300.

General Construction Permit (CGP) or Common Plan Permit There are two permits to choose from to cover construction activity. The CGP covers any and all construction activity. The Common Plan Permit covers less than an acre projects that are residential. You must determine which permit applies and check the appropriate box at the top of the first page.

Where To File NOI Form The preferred method of submitting an NOI is electronically on-line at https://secure.utah.gov/stormwater. If the-line option is not available for you, you can submit a paper form (downloaded the NOI form from https://deq.utah.gov/Permits/water/updes/stormwatercon.htm) to the following address:

Department of Environmental Quality
Division of Water Quality
P.O. Box 144870
Salt Lake City, UT 84114-4870

Beginning of Coverage Permit coverages are issued immediately after submitting an NOI with the permit fee. The permittee should be aware that though you may not have a permit in hand, if you have submitted a completed NOI with the permit fee you are covered by the conditions in the permit and will be expected to comply with permit conditions. You can print a copy of the CGP or Common Plan Permit from the DWQ web site (the second web page noted above).

Permit Fees. The permit fee is $150.00 per year. The fee is paid on-line by VISA/MASTERCARD/echeck. Permit coverage will not be issued until the fee is paid.

Length of Coverage: Permit coverage starts the day that the NOI and fee is received at DWQ and expires a year from issuance. All permit coverages must be renewed within 60-days after the yearly expiration date, or be terminated with a notice of termination (NOT) before the expiration date. To terminate the permit the site must meet the permit conditions for final stabilization (see permit definitions), or must continue under a different permit holder. In most cases the DWQ or municipality of jurisdiction will perform a final inspection when the permittee submits a NOT. If the site passes the final inspection the permit is terminated.

The Storm Water General Permit for Construction Activities UTRC00000 will expire on June 30, 2019 – UTRH00000 expires on September 30, 2020. The Clean Water Act requires that all UPDES permits be renewed every 5 years. If a permit coverage extends beyond the expiration date of the permit, permit coverage must be renewed to continue coverage under the renewed permit that will subsequently be developed to continue the same or similar permit for construction activity.

SECTION I - FACILITY OPERATOR INFORMATION Supply the legal name(s) of the person(s), firm(s), public organization(s), or any other entity(ies) that qualifies as the owner of the project (see permit definitions). Do the same for the general contractor that conducts construction operations at the permitted site. The owner and the general contractor of the project may be the same.

Enter the complete address and telephone number of the owner and general contractor and a contact person and number for each. Enter the appropriate letter to indicate the legal **STATUS of the OWNER/GENERAL CONTRACTOR** of the project. **F = Federal M = Public (other than Fed or State) S = State P = Private**

SECTION II - FACILITY/SITE LOCATION INFORMATION Enter the project name or legal name and project number (if any) of the site and complete street address, including city, state and ZIP code. The latitude and longitude of the facility must be included to the approximate centroid of the site, and the method of how the Lat/Long was obtained.

If the facility is located in Indian Country, do not complete this NOI, instead submit an application for coverage under a storm water permit to EPA Region VIII except for facilities on the Navajo Reservation or on the Goshute Reservation which should submit an application to EPA Region IX.

SECTION III - SITE ACTIVITY INFORMATION If the storm water discharges to a municipal separate storm sewer system (MS4), enter the name of the operator of the MS4 (e.g., the name of the City or County of jurisdiction) and the receiving water of the discharge from the MS4 if it is known (if it is not known look up the closest water body at http://wq.deq.utah.gov).

For Impaired Waters: Go to http://wq.deq.utah.gov and identify and click on the water body that will receive the storm water discharge from the permitted site, on the map provided at the web site (zoom in for easier resolution). On the left hand side of the page you will see "**20XX Assessment**" depending on the year you refer to the web site (the assessment is done every 3 years). The **20XX Assessment** the will indicate if the water is impaired. If there is nothing after **20XX Assessment** or the narrative after does not include the word "impaired", your receiving water is not impaired.

For High Quality Waters: On the web page referred to in the paragraph above on the left hand side of the page you will see "**Anti-Degradation Category**". Under **Anti-Degradation Category** you will see the category of the water body. Only categories 1 and 2 are high quality water bodies. Some waters may be both categories 1 and 3. If your water body is both category 1 and 3 it means the headwaters of your water body is within Forest Service boundaries, and because it is within Forest Service boundaries it is category 1. If your project is within Forest Service boundaries then your water body is category 1 and it is "high quality". If your project is not within Forest Service boundaries then your water body is category 3 and is not "high quality".

SECTION IV – LISTING LOTS FOR SUBDIVISIONS For the sake of tracking lots that are sold (if a developer chooses to sell lots to another party before the building construction for the lot is completed), and permitted under a different owner (which requires a different permit), developers must list lot numbers.

SECTION V - TYPE OF CONSTRUCTION Check each type of construction that applies to this application.

SECTION VI - BEST MANAGEMENT PRACTICES Check each type of best management practice that will be used to control storm water runoff at the job site.

SECTION VII – GOOD HOUSEKEEPING PRACTICES Check each type of good housekeeping practice that you will use on the site.

SECTION VIII – ADDITIONAL Provide an estimate of the total number of acres for the site and the acres for which soil will be disturbed (to the nearest hundredth of an acre). An email address is required of the best contact associated with the project for the communication needs.

SECTION IX – CERTIFICATION State statutes provide for severe penalties for submitting false information on this application form. State regulations require this application to be signed as follows:

For a corporation: by a responsible corporate officer, which means: (i) president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision making functions, or (ii) the manager of one or more manufacturing, production, or operating facilities employing more than 250 persons or having gross annual sales or expenditures exceeding $25 million (in second quarter 1980 dollars), if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures;

For a partnership or sole proprietorship: by a general partner or the proprietor; or

For a municipality, state, Federal, or other public facility: by either a principal executive officer or ranking elected official.

POLLUTION PREVENTION PLAN A storm water pollution prevention plan (SWP3) is required to be in hand before the NOI can be submitted. It is important to know SWPPP requirements (contained in the permit) even during the design portion of the project. A copy of the permit can be obtained from the Division of Water Quality's storm water construction web site. Guidance material for developing a SWPPP can be obtained from the Division of Water Quality's storm water construction web site.

V. TYPE OF CONSTRUCTION (Check all that apply)

1. □ Residential 2. □ Commercial 3. □ Industrial 4. □ Road 5. □ Bridge 6. □ Utility

7. □ Contouring, Landscaping 8. □ Pipeline 9. □ Other (Please list) _____

VI. BEST MANAGEMENT PRACTICES

Identify proposed Best Management Practices (BMPs) to reduce pollutants in storm water discharges (Check all that apply):

1. ☐ Silt Fence/Straw Wattle/Perimeter Controls 2. ☐ Sediment Pond 3. ☐ Seeding/Preservation of Vegetation

4. ☐ Mulching/Geotextiles 5. ☐ Check Dams 6. ☐ Structural Controls (Berms, Ditches, etc.)

7. ☐ Other (Please list) _____

VII. GOOD HOUSEKEEPING PRACTICES

Identify proposed Good Housekeeping Practices to reduce pollutants in storm water discharges (Check all that apply even if they apply only during a part of the construction time):

1. ☐ Sanitary/Portable Toilet 2. ☐ Washout Areas 3. ☐ Construction Chemicals/Building Supplies Storage Area

4. ☐ Garbage/Waste Disposal 5. ☐ Non-Storm Water 6. ☐ Track Out Controls 7. ☐ Spill Control Measures

VIII. ADDITIONAL

Estimated Area to be Disturbed (in Acres): _____ Total Area of Plot (in Acres):_____

A storm water pollution prevention plan has been prepared for this site and is to the best of my knowledge in Compliance with State and/or Local Sediment and Erosion Plans and Requirements. Y ☐ N ☐
(A pollution prevention plan is required to be on hand before submittal of the NOI.)

Project Start Date: _________

Project End Date: _________

Enter the best e-mail address to contact the permittee: _____

IX. CERTIFICATION: I certify under penalty of law that I have read and understand the Part 1 eligibility requirements for coverage under the general permit for storm water discharges from construction activities. I further certify that to the best of my knowledge, all discharges and BMPs that have been scheduled and detailed in a storm water pollution prevention plan will satisfy requirements of this permit. I understand that continued coverage under this storm water general permit is contingent upon maintaining eligibility as provided for in Part 1.

I also certify under penalty of law that this document and all attachments were prepared under the direction or supervision of those who have placed their signature(s) below, in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Owner and Operator must sign below:

Print Name: Date:

_____ _____

Title: _____

Signature: _____

Print Name: Date:

_____ _____

Title: _____

Signature: _____

Amount of Permit Fee Enclosed: $_____

STATE OF UTAH, DEPARTMENT OF ENVIRONMENTAL QUALITY, DIVISION OF WATER QUALITY
195 North 1950 West, P.O. Box 144870, Salt Lake City, Utah 84114-4870

NOT

Notice of Termination (NOT) for Storm Water Discharges Associated with Construction Activity Under the UPDES General Permit No. UTRC00000 or UTRH00000. SEE REVERSE FOR INSTRUCTIONS

Submission of this Notice of Termination constitutes notice that the owner/operator identified in Section II of this form or in the NOI is no longer authorized to discharge storm water pursuant to the Construction General Permit or Common Plan Permit from the site identified in Section III.

I. Permit NOT Information

UPDES Storm Water (SW) General **Permit Number** to be terminated: _____

*Select **one** of checkboxes and fill out transfer information if required:*

☐ **COMPLETED** PROJECT: The project is finished and final stabilization has been achieved on the entire site according to permit conditions.

☐ **NEW OWNER RESPONSIBLE** UNDER NEW NOI: This NOT is **not required if an "Ownership Transfer Form" has been submitted** to transfer the existing NOI to a new owner. Only use this form if the new owner has submitted a new NOI to obtain their own coverage for **the entire site** and the old owner is now terminating.

☐ **SOLD LOTS**/PARTIAL NOT: If only part of the permitted area is sold the developer must periodically update the active lot list. Provide information on the new owner who has purchased the lots and notify them that they are responsible for their obtaining their own permit if construction is not complete. Lots must be at least temporarily stabilized before being sold to the final homeowner. Additional lots may be listed on the next page. The **permit will remain active** and the NOI updated to remove these lots.

If **NEW OWNER RESPONSIBLE** or **SOLD LOTS** is checked fill out new owner information below (additional lots on back of form)**:**

Company/Individual Name _____
Contact person _____
Address _____
City _____ State _____
Telephone Number _____ Email Address _____
If sold lot: Lot number to remove _____ Acres to remove: _____

II. Facility Owner Information (the same as was entered on the NOI who is seeking termination of permit responsibilities)

Name: _____ Phone: _____
Address: _____
City: _____ State: _____ Zip: _____

III. Facility Site/Location Information (the same as was entered on the NOI)

Name: _____ Phone: _____
Address: _____ County: _____
City: _____ State: _____ Zip: _____

IV. Certification:

I certify under penalty of law that either: a) the site is stabilized in accordance with the applicable permit requirements (Construction General Permit or Common Plan Permit) and all storm water discharges associated with construction activity from the facility identified in the NOI, where I was an operator, have ceased or have been eliminated or b) I am no longer an operator at the construction site and a new operator has assumed operational control for those portions of the construction site where I previously had operational control. I understand that by submitting this notice of termination, I am no longer authorized to discharge storm water associated with construction activity under this general permit, and that discharging pollutants in storm water associated with construction activity to waters of the State is unlawful under the State of Utah Water Quality Act where the discharge is not authorized by a UPDES permit. I also understand that the submittal of this notice of termination does not release an operator from liability for any violations of this permit or the Water Quality Act.

Print Name: _____ Title: _____
Email: _____ Phone: _____
Signature: _____ Date: _____

Instructions for Completing Notice of Termination (NOT) Form

Who May File A Notice Of Termination (NOT) Form

Permittees who are presently covered under the State issued Utah Pollutant Discharge Elimination System (UPDES) General Storm Water Permit for Construction Activity or Common Plan Permit may submit a notice of termination (NOT) form when their facilities no longer have any storm water discharges associated with industrial activity (construction activity) as defined in the storm water regulations at UAC R317-8-3.9(6)(d)10 or (e)1, or when they are no longer the legal owner or person responsible for the project and the facilities.

Where to File NOT Form

Mail: Division of Water Quality
195 North 1950 West
P.O. Box 144870
Salt Lake City, Utah 84114-4870

Fax: (801) 536-4301 **Email:** wqinfodata@utah.gov

Section I – Permit/Site Information

Enter the existing UPDES Storm Water General Permit number assigned to the permitted site. If you do not know the permit number, contact the Division of Water Quality at (801) 536-4300. Select the checkbox that most appropriately describes why you are terminating permit coverage. If the permit has already been transferred to a new owner or operator then you do not need to submit this form.

Section II - Facility Operator Information

This form must be filled out and submitted by the owner or lessee listed on the notice of intent (NOI) that was submitted in the original NOI. In this section give the legal name of the person, firm, public organization, or any other entity that is filed as the owner at the facility or site described in this application that desires to terminate coverage. As the owner's agent, the general contractor can also fill out and submit the NOT. Enter the complete address and telephone number of the owner or operator.

Section III - Facility/Site Location Information

Enter the facility's or site's official or legal name and complete address, including city, state and ZIP code of the facility.

Section IV - Certification

State statues provide for severe penalties for submitting false information on this application form. State regulations require this application to be signed as follows:

For a corporation: by a responsible corporate officer, which means: (i) president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision making functions, or if authority to sign documents has been assigned or delegated to a manager in accordance with corporate procedures; or by a duly authorized representative (See for the CGP Appendix G.16, or for the Common Plan permit part 5.16).

For *a partnership or sole proprietorship:* by a general partner or the proprietor, respectively; or

For *a municipality, State, Federal, or other public facility:* by either a principal executive officer or ranking elected official.

Additional Space for Sold Lots:

Lot Number and Acres	Owner Info
Lot # _____ Acres: _____	Company/Individual Name _____ Contact person _____ Address _____ City _____ State _____ Telephone Number _____ Email address _____
Lot # _____ Acres: _____	Company/Individual Name _____ Contact person _____ Address _____ City _____ State _____ Telephone Number _____ Email address _____
Lot # _____ Acres: _____	Company/Individual Name _____ Contact person _____ Address _____ City _____ State _____ Telephone Number _____ Email address _____

For office use only:

Enter the contact information of user who transcribed the information from the paper form into the CGP application

Name: _____

Organization: _____

Email: _____ Phone: _____

SOUTH SALT LAKE ENGINEERING DEPARTMENT

220 East Morris Avenue, Suite 200
South Salt Lake City, Utah 84115
(801) 483-6063 telephone
(801) 483-6060 fax
www.sslc.com

RIGHT OF WAY & ACCESS PERMIT APPLICATION

CHECKLIST PRIOR TO SUBMITTAL

1. Complete Application
2. Signed Acknowledgement of Terms & Conditions
3. Copy of Liability Insurance (South Salt Lake City must be listed as certificate holder)
4. Cost Estimate of all Proposed Work
5. BMP or SWPPP Statement
6. $60 Nonrefundable Deposit (applied toward inspection fees)
7. TWO paper copies of Site Plans (11" x 17" minimum)
8. TWO paper copies of Traffic Control Plans (11" x 17" minimum)
9. TWO paper copies of Storm Water Pollution Prevention Plans (11" x 17"minimum)

** INCOMPLETE APPLICATIONS WILL NOT BE ACCEPTED **

CHECKLIST PRIOR TO PERMIT RELEASE

1. Nonrefundable Fee Payment
2. Signed South Salt Lake Improvement Agreement
3. Original Stamped Bond (Estimate must be approved prior to bond submittal)

Submitting a permit application does not authorize the applicant to begin construction. Working without an approved permit violates South Salt Lake Municipal Code. South Salt Lake City reserves the right to pursue enforcement action including but not limited to Notice of Violation and Summons, and Citations.

Applicants are responsible for addressing and correcting all inaccurate or incomplete application documentation. Inactive applications automatically void after 180 days. All voided applications require submittal of new applications, including payment of all costs and fees. All application fees are nonrefundable.

SOUTH SALT LAKE ENGINEERING DEPARTMENT

220 East Morris Avenue, Suite 200
South Salt Lake City, Utah 84115
(801) 483-6063 telephone
(801) 483-6060 fax
www.sslc.com

RIGHT OF WAY & ACCESS PERMIT APPLICATION

PERMIT #: _____ APPLICATION DATE: _____

PROJECT INFORMATION			
FEE TITLE OWNER(S)			
PROJECT OWNER	TELEPHONE		
EMAIL	24-HR EMERGENCY TELEPHONE		
PROJECT ADDRESS	CITY	STATE	ZIP
DESCRIPTION OF WORK			

CLOSURE INFORMATION	# OF LANES	# OF BLOCK	# OF DAYS
SIDEWALK			
LANE CLOSURE			
LOCAL STREET FULL CLOSURE			
ARTERIAL STREET FULL CLOSURE			

CONTACT INFORMATION			
PERMIT CONTACT		TELEPHONE	
EMAIL		24-HR EMERGENCY TELEPHONE	
BUSINESS ADDRESS	CITY	STATE	ZIP
STATE LICENSE #		EXPIRATION DATE	
GENERAL CONTRACTOR		TELEPHONE	
EMAIL			
BUSINESS ADDRESS	CITY	STATE	ZIP
STATE LICENSE #		EXPIRATION DATE	
SUB CONTRACTOR		TELEPHONE	
EMAIL			
BUSINESS ADDRESS	CITY	STATE	ZIP
STATE LICENSE #		EXPIRATION DATE	
SUB CONTRACTOR		TELEPHONE	
EMAIL			
BUSINESS ADDRESS	CITY	STATE	ZIP
STATE LICENSE #		EXPIRATION DATE	

SOUTH SALT LAKE ENGINEERING DEPARTMENT

220 East Morris Avenue, Suite 200
South Salt Lake City, Utah 84115
(801) 483-6063 telephone
(801) 483-6060 fax
www.sslc.com

SOUTH SALT LAKE PUBLIC RIGHT OF WAY ACCESS TERMS AND CONDITIONS

Application is hereby made by the undersigned for a permit to work within the City right of way for the purpose designated below. It is understood and agreed by the applicant that all necessary precautions for public safety will be installed and maintained from the commencement to the conclusion of construction operations described by this permit. The applicant shall indemnify and hold harmless the City of South Salt Lake from all liability, loss, damage, cost, or other expenses, arising from any accident, injury, loss or damage to any person or property caused directly or indirectly by the acts, errors, or omissions of applicant and its agents, servants, employees, or subcontractors. In addition, applicant agrees to the following terms and conditions:

1. **All work must be scheduled and coordinated with the City of South Salt Lake Engineering Department. All work not inspected prior to back fill being placed, shall be re-excavated at the contractor's expense to allow for inspection.**
2. All work and clean up must be complete within 30 days from the start date of this permit unless a permit extension is granted by South Salt Lake City Engineer, or the Engineer's authorized representative.
3. Curb, gutter, and sidewalk installation shall be in conformance with the 2017 Edition of the APWA Manual of Standard Plans and Manual of Standard Specifications, South Salt Lake City engineering supplementary standards, or South Salt Lake City Engineer, or the Engineer's authorized representative.
4. Asphalt trench repair shall be saw cut. Asphalt trench repairs require a T-patch extending at least 2 feet beyond the edge of the trench, or as specified in the APWA Manual of Standard Plans and Specifications, South Salt Lake City Engineering supplementary standards, South Salt Lake City Engineer, or the Engineer's authorized representative.
5. A minimum of 8" of road base is to be installed under pavement surfaces. A minimum of 6" of road base shall be installed under curb, gutter, and sidewalk or as specified in the APWA Manual of Standard Plans and Specifications, or as directed by South Salt Lake City Engineer or the Engineer's authorized representative.
6. Replacement asphalt shall match existing asphalt thickness plus 1 inch, but in no case be less than 4 inch thick. See the latest edition of the APWA Manual of Standard Plans and Specifications for maximum pavement thickness.
7. On all new pavements, 5 years old or less, asphalt trench repairs shall be in conformance with South Salt Lake City engineering supplementary standards, or South Salt Lake City Engineer, or the Engineer's authorized representative.
8. Any road with existing overlay fabric shall be repaired as directed by South Salt Lake City Engineer, or the Engineer's authorized representative.
9. All manholes and inlet boxes shall be core cut.
10. Storm drain and sewer line repairs shall be video inspected, and a copy of the video shall be given to the South Salt Lake City Engineer, or the Engineer's authorized representative.
11. All contractors and their employees shall wear proper personal protective equipment at all times when working in the public right of way.
12. Permit applicant shall provide Certificate of Liability Insurance with application.
    - Liability insurance shall include: $1,000,000 each occurrence & $2,000,000 aggregate
13. The Fees paid for this permit do NOT include overtime costs for city inspectors. Applicant agrees to reimburse the City of South Salt Lake for the following costs:
    - Two-Hour minimum call out fee for all after hours, weekends, or emergency inspection service
    - Additional time shall be charged at a rate of 1.5 times the inspector's hourly rate.
14. **24-hour notice is required for all inspections. Call 801-483-6032, specify Engineering Inspection.**
15. **NO EXCAVATION WILL BE LEFT OPEN LONGER THAN 24 HOURS WITHOUT EXPRESS PERMISSION IN WRITING FROM SOUTH SALT LAKE CITY ENGINEER, OR ENGINEER'S REPRESENTIVE.**
16. ALL WORK MUST COMPLY WITH THE CITY OF SOUTH SALT LAKE STORM WATER MANAGEMENT PLAN. Call the South Salt Lake Storm Water Division for storm water related questions at 801-483-6045

I HAVE READ AND UNDERSTAND THE TERMS OF THIS PERMIT AND AGREE TO BE BOUND THERETO

SIGNATURE OF APPLICANT: _____

NAME OF APPLICANT (PRINTED): _____

----------FOR CITY USE ONLY----------

CITY OFFICIAL USE ONLY	CONTRACTOR START/END DATE
PERMIT #: _____ ACCEPTED BY: _____ DATE OF APPROVAL: _____	START DATE: COMPLETION DATE:

EXCAVATION FEE: $_____ INSPECTION FEE: $_____ CLOSURE FEE: $_____

FEE TOTAL: _____RECEIPT #: _____

SOUTH SALT LAKE ENGINEERING DEPARTMENT

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STORMWATER POLLUTION PREVENTION PLAN REVIEWER AND INSPECTOR QUALIFICATIONS POLICY

CTIY OF SOUTH SALT LAKE

Purpose: The purpose of the City of South Salt Lake Storm Water Management Plan is to implement and enforce a program designed to protect water quality by reducing the discharge of pollutants to rivers and streams to the maximum extent practicable (MEP). The Storm Water Management Plan authorizes storm water operators to identify existing resources, develop programs to reduce the negative impact of stormwater pollution, protect our waterways and enhance our quality of life.

The purpose of the Registered Storm Water Inspector (RSI) credentials is to ensure that the procedures and policies outlined in the SWPPP are being followed, properly implemented, and enforced in order to maintain compliance with federal and state regulations.

Policy: As part of the Storm Water Management Plan, it is the policy of the City of South Salt Lake that any person reviewing Storm Water Pollution Prevention Plans submitted to the City must be a Registered Stormwater Inspector (RSI) with current certifications, or a licensed professional engineer.

Furthermore, It is the policy of the City of South Salt Lake that any person conducting storm water inspections in the City of South Salt Lake must be a Registered Stormwater Inspector (RSI) with current certifications.

DATED THIS 30 DAY OF August, 2018

DENNIS PAY, P.E.
CITY ENGINEER